Aleksandar Ivić - Bibliografija

1. An asymptotic formula for elements of a semigroup of integers, Matematički Vesnik (Belgrade) **10(25)** (1973), 255-257.

2. On a certain integral equation, Matematički Vesnik (Belgrade) **10(25)** (1973) 259-262.

3. O nekim aritmetičkim funkcijama vezanim za raspodelu prostih brojeva, Zbornik radova PMF-a u Novom Sadu Ser. Mat. **4** (1974), 9-17.

4. An application of Dirichlet series to certain arithmetical functions, Mathematica Balkanica **3** (1973), 158-165.

5. On certain functions that generalize von Mangoldt's function $\Lambda(n)$, Matematički Vesnik (Belgrade) **12(27)** (1975), 361-366.

6. On a number-theoretical system of functional equations, Zbornik radova PMF-a u Novom Sadu Ser. Mat. **6**(1976), 1-5.

7. On an arithmetical semigroup connected with quadratic residues, Comptes Rendus de l'Acad. bulgare des Sciences (Sophia) **29** (1976), 1257-1259.

8. On a class of arithmetical functions connected with multiplicative functions, Publications Inst. Math. (Belgrade) **20(34)** (1976), 131-144.

9. A property of Ramanujan's sums concerning totally multiplicative functions, Univ. Beograd. Publikacije Elektotehn. Fak. Ser. Mat. Fiz. No. **577 - 579**, (1977), 74-78.

10. On the asymptotic formulae for some functions connected with powers of the zeta-function, Matematički Vesnik (Belgrade) **14(29)** (1977), 79-90.

11. On the asymptotic formulas for a generalization of von Mangoldt's function, Rendiconti di Matematica (Roma) **10** (1977), 51-59.

12. Two inequalities for the sum of divisors function, Zbornik radova PMF-a u Novom Sadu Ser. Mat. **7** (1977), 17-22.

13. The distribution of values of some multiplicative functions, Publications Inst. Math. (Belgrade) **22(36)** (1977), 87-94.

14. The distribution of values of the enumerating function of non-isomorphic abelian groups of finite order, Archiv der Mathematik (Basel-Stuttgart) **30** (1978), 374-379.

15. A convolution theorem for arithmetical functions, Mathematica Balkanica **5** (1975), 145-149.

16. On the asymptotic formulas for powerful numbers, Publications Inst. Math. (Belgrade) **23(37)** (1978), 85-94.

17. A theorem in asymptotic number theory, Colloquium Mathematicum (Wroclaw, Polska) **29(1978)**, 177-184.

18. A convolution theorem with applications to some divisor problems, Publications Inst. Math. (Belgrade) **24(38)** (1978), 67-78.

19. (with D. Kapor, Novi Sad) The coefficients in a Boson series expansion of spin 1/2 operators, Physica status solidi (b) (Berlin) **90** (1978), K157-159.

20. (With J.-M. De Koninck, Québec) An asymptotic formula for reciprocals of logarithms of certain multiplicative functions, Canadian Mathematical Bulletin **21** (1978), 409-413.

21. On sums of large differences between consecutive primes, Mathematische Annalen (Heidelberg) **241** (1979), 1-9.

22. (with W. Schwarz, Frankfurt) Remarks on some number-theoretical functional equations, Aequationes Mathematicae (Waterloo, Canada) **20** (1980), 80-89.

23. (with J.-M. De Koninck, Québec) Sums of reciprocals of certain additive functions, Manuscripta Mathematica (Germany) **30** (1980), 329-341.

24. A note on the zero-density estimates for the zeta function, Archiv der Mathematik (Basel-Stuttgart) **33** (1979), 155-164.

25. On certain sums involving von Mangoldt's function in short intervals, Publications Inst. Math. (Belgrade) **27(41)** (1980), 91-98.

26. Exponent pairs and the zeta-function of Riemann, Studia Scientiarum Math. Hungarica (Budapest) **15** (1980), 157-181.

27. On the number of finite non-isomorphic abelian groups in short intervals, Mathematische Nachrichten (Berlin, DDR) **101** (1981), 257-271.

28. (with J.-M. De Koninck and P. Erdős) Reciprocals of certain large additive functions, Canadian Mathematical Bulletin **24** (1981), 225-231.

29. Sum of reciprocals of the largest prime factor of an integer, Archiv der Mathematik (Basel-Stuttgart) **36** (1981), 57-61.

30. (with P. Shiu, Loughborough, GB) The distribution of powerful numbers, Illinois Journal of Mathematics (USA) **36** (1982), 576-590.

31. **(with J.-M. De Koninck, Québec) Topics in arithmetical functions, Mathematics Studies 43, North-Holland, Amsterdam 1980, 262 pp.**

32. On the number of abelian groups of a given order and on certain related multiplicative functions, Journal of Number Theory (Columbus, USA) **16** (1983), 119-137.

33. Exponent pairs and power moments of the zeta-function, Proceedings Budapest Conference in Number Theory July 1981, Coll. Math. Soc. J. Bolyai **34**, North-Holland, Amsterdam 1984, 749-768.

34. (with P. Erdős) Estimates for sums involving the largest prime factor of an integer and certain related additive functions, Studia Scientiarum Mathematicarum Hungarica (Budapest) **15** (1980), 183-199.

35. A zero-density theorem for the Riemann zeta-function, Proceedings Moscow Conference in Number Theory, September 1981, Trudy Mat. Inst. AN SSSR **163** (1984), 85-89.

36. (with C. Pomerance, Athens, USA) Estimates for certain sums involving the largest prime factor of an integer, Proceedings Budapest Conference in Number Theory July 1981, Coll. Math. Soc. J. Bolyai **34**, North-Holland, Amsterdam 1984, 769-789.

37. Large values of the error term in the divisor problem, Inventiones Mathematicae (Heidelberg) **71** (1983), 513-520.

38. (with P. Erdős) On sums involving reciprocals of certain arithmetical functions, Publications Inst. Math. (Belgrade) **32(46)** (1982), 49-56.

39. (with M.D. Maksimović and D.Dj. Totovski, Belgrade) The effect of superimposed A.C. on D.C. in electrodeposition of metals, Surface Technology (Birmingham) **18** (1983), 233-241.

40. **Topics in recent zeta-function theory, Publications Mathématiques d'Orsay, Université Paris-Sud, Orsay 1983, 272 pp.**

41. The distribution of primitive abundant numbers, Studia Scientiarum Mathematicarum Hungarica (Budapest) **20** (1985), 183-187.

42. Squarefree numbers with restricted prime factors, Studia Scientiarum Mathematicarum Hungarica (Budapest) **20** (1985), 189-192.

43. (with J.-M. De Koninck, Québec) Sommes des réciproques de grandes fonctions additives, Publications Inst. Math. (Belgrade) **35(49)** (1984), 41-48.

44. (with J.-M. De Koninck, Québec) The distribution of the average prime divisor of an integer, Archiv der Mathematik (Basel-Stuttgart) **43**(1984), 37-43.

45. Zeta-funkcija Riemann-a, problem delitelja i problem kruga, IV Konferencija Algebra i Logika, Zagreb 1984, 1-13.

46. **The Riemann zeta-function, John Wiley and Sons, New York 1985, XVI + 517 pp.**

47. (with J.-M. De Koninck, Québec) On the distance between consecutive divisors of an integer, Canadian Mathematical Bulletin **29**(1986), 208-217.

48. On the number of abelian groups of a given order and the number of prime factors of an integer, Zbornik radova PMF-a u Novom Sadu Ser. Mat. **13** (1983), 41-50.

49. (with P. Erdős and C. Pomerance) On sums involving reciprocals of the largest prime factor of an integer, Glasnik Matematički (Zagreb) **21(41)** (1986), 283-300.

50. (with G. Tenenbaum, Nancy) Local densities over integers free of large prime factors, Quarterly J. Math. (Oxford) (2) **37** (1986), 401-417.

51. On some estimates involving the number of prime divisors of an integer, Acta Arithmetica (Warszawa) **49** (1987), 21-32.

52. The general divisor problem, Journal of Number Theory (Columbus, USA) **27** (1987), 73-91.

53. On a problem connected with zeros of $\zeta(s)$ on the critical line, Monatshefte Math. (Wien) **104** (1987), 17-27.

54. The number of finite non-isomorphic abelian groups in mean square, Hardy-Ramanujan Journal (Bombay) **9** (1986), 17-23.

55. The distribution of quotients of small and large additive functions, Bollettino Unione Mat. Italiana (Bologna) **7**, 2-B (1987), 79-97.

56. Sums of products of certain arithmetical functions, Publications Inst. Math. (Belgrade) **41(55)** (1987), 31-41.

57. (with M. Jutila, Turku, Finland) Gaps between consecutive zeros of the Riemann zeta-function, Monatshefte Math. (Wien) **105** (1988), 59-73.

58. (with M. Ouellet, Québec) Some new estimates in the Dirichlet divisor problem, Acta Arithmetica (Warszawa) **52** (1989), 241-253.

59. (with P. Erdős, Budapest) The distribution of values of a certain class of arithmetic functions at consecutive integers, Proceedings Budapest Conference in Number Theory July 1987, Coll. Math. Soc. J. Bolyai **51**, North-Holland, Amsterdam 1989, 45-91.

60. Some recent results on the Riemann zeta-function, Proceedings International Number Theory Conference Québec 1987, Walter de Gruyter and Co., 1989, Berlin - New York, 424-440.

61. (with J.L. Hafner, San Jose, USA) On some mean value results for the Riemann zeta-function, Proceedings International Number Theory Conference Québec 1987, Walter de Gruyter and Co., 1989, Berlin - New York, 348-358.

62. (with J.L. Hafner, San Jose, USA) On the mean square of the Riemann zeta-function on the critical line, Journal of Number Theory (Columbus, USA) **32**(1989), 151-191.

63. On consecutive zeros of the Riemann zeta-function on the critical line, Séminaire de Théorie des Nombres, Université de Bordeaux 1986/87, Exposé No. 29 14 pp.

64. Les zéros de la fonction zeta de Riemann sur la droite critique, Groupe de travail en théorie analytique et élementaire des nombres 1986-1987, Université Paris-Sud, Orsay, 88-01, pp. 47-51.

65. (with J.-M. De Koninck, Québec) The average prime divisor of an integer in short intervals, Archiv der Mathematik (Basel-Stuttgart) **52** (1989), 440-448.

66. On some integrals involving the mean square formula for the Riemann zeta-function, Publications Inst. Math. (Belgrade) **46(60)** (1989), 33-42.

67. (with P. Erdős, Budapest) On the iterates of the enumerating function of finite Abelian groups, Bulletin XCIX Acad. Serbe 1989 Sciences Mathématiques No **17**, 13-22.

68. (with A. Perelli, Napoli) Mean values of certain zeta-functions on the critical line, Litovskij Mat. Sbornik (Vilnius, SSSR)**29** (1989), 701-714.

69. Large values of certain number-theoretic error terms, Acta Arithmetica (Warszawa), **56** (1990), 135-159.

70. On the k-th prime factor of an integer, Zbornik radova PMF-a u Novom Sadu Ser. Mat. **20** (1990), 63-73.

71. Large values of some zeta-functions on the line $\sigma = 1$, Hardy-Ramanujan Journal (Bombay) **11** (1988), 13-29.

72. (with J.L. Hafner, San Jose, USA) On sums of Fourier coefficients of cusp forms, L'Enseignement Math. (Genève) **35**(1989), 375-382.

73. On zeta-functions asociated with Fourier coefficients of cusp forms, Proceedings of the Amalfi Conference on Analytic Number Theory (Amalfi, September 1989), Università di Salerno, Salerno 1992, 231-246.

74. Neki noviji rezultati Rimanove zeta-funkcije, Glas CCCLXII de l'Academie Serbe des Sciences et des Arts No. **55** (1990), 63-72.

75. (with H. te Riele, Amsterdam) On the zeros of the error term for the mean square of $|\zeta(\frac{1}{2} + it)|$, Mathematics of Computation (USA) **56** No 193 (1991), 303-328.

76. (with J.-M. De Koninck, Québec), On the average prime factor of an integer and some related problems, Ricerche Matematiche (Napoli) **39** (1990), 131-140.

77. (with J.-M. De Koninck, Québec) Random sums related to the prime divisors of an integer, Publications Inst. Math. (Belgrade) **48(62)** (1990), 7-24.

78. (with P. Erdős, Budapest) The distribution of small and large additive functions II, Proceedings of the Amalfi Conference on Analytic Number Theory (Amalfi, Sep. 1989), Università di Salerno, Salerno 1992, 83-93.

79. (with Y. Motohashi, Tokyo) A note on the mean-value of the zeta and L-functions VII, Proc. Japan Acad. Ser A **66** (1990), 150-152.

80. (with Y. Motohashi, Tokyo) On the fourth power moment of the Riemann zeta-function, Journal of Number Theory (Columbus, USA) **51** (1995), 16-45.

81. La valeur moyenne de la fonction zeta de Riemann, Séminaire de Théorie des Nombres, Paris 1991-1991, Birkhäuser Verlag 1992, 115-125.

82. (with R. Balasubramanian (Madras) and K. Ramachandra (Bombay)) The mean square of the Riemann zeta-function on the line $\sigma = 1$, L'Enseignement Math. (Genève) **38** (1992), 13-25.

83. (with Y. Motohashi, Tokyo) The mean square of the error term for the fourth moment of the zeta-function, Proceedings London Math. Soc. (3) **69** (1994), 309-329.

84. (with Y. Motohashi, Tokyo) On some estimates involving the binary additive divisor problem, Quarterly Journal Math. (Oxford) (2) **46** (1995), 471-483.

85. **The mean values of the Riemann zeta-function, Tata Institute of Fundamental Research, Lecture Notes 82, Bombay 1991 (distr. Springer Verlag, Berlin etc.), 363 pp.** http://www.math.tifr.res.in/ publ/ln/tifr82.pdf

86. **(with S. Vujić, Belgrade) Matematički metodi u rudarstvu i geologiji, Universitet u Beogradu, Rudarsko-geološki Fakultet, Beograd 1991, 328 pp.**

87. The moments of the zeta-function on the line $\sigma = 1$, Nagoya Math. Journal (Japan) **135** (1994), 113-120.

88. On the error term for the counting function of finite Abelian groups, Monatshefte Math. (Wien) **114** (1992), 115-124.

89. An asymptotic formula involving the enumerating function of finite Abelian groups, Publikacije Elektroteh. Fak. (Beograd) Ser. Mat. **3** (1992), 61-66.

90. The Laurent coefficients of certain Dirichlet series, Publications Inst. Math. (Belgrade) **53(67)** (1993), 23-36.

91. On a multiplicative function connected with the number of direct factors of a finite Abelian group, Zbornik radova PMF-a u Novom Sadu Ser. Mat. 23(2) (1993), 189-198.

92. (with I. Gutman (Kragujevac) and S.B. Elk (New Milford, USA)) Matula numbers for coding chemical structures and some of their properties, Journal Serbian Chemical Soc. (Belgrade) **58** (3-4) (1992), 193-201.

93. (with I. Gutman, Kragujevac) Graphs with maximal and minimal Matula numbers, Bulletin CVII Acad. Serbe des Sciences Mathématiques No. **18** (1994), 65-74.

94. The Laplace transform of the square in the circle and divisor problems, Studia Scient. Math. Hungarica (Budapest) **32** (1996), 181-205.

95. Power moments of the error term in the approximate functional equation for $\zeta^2(s)$, Acta Arithmetica (Warszawa) **65** (1993), 137-145.

96. (with T. Meurman, Turku (Finland)) Sums of coefficients of Hecke series, Acta Arithmetica (Warszawa) **68** (1994), 341-368.

97. On a sum involving the number of prime factors of an integer, Publikacije Elektroteh. Fak. (Beograd) Ser. Mat. **4** (1993), 45-50.

98. (with R. Balasubramanian (Madras) and K. Ramachandra (Bombay)) An application of the Hooley-Huxley contour, Acta Arithmetica (Warszawa) **65** (1993), 45-51.

99. On large additive functions over primes of positive density, Mathematica Balkanica (Sophia) **10** (1996), 103-120.

100. (with J.-M. De Koninck, Québec), Arithmetic functions defined on sets of primes of positive density, Mathematica Balkanica (Sophia) **10** (1996), 279-300.

101. (with J.-M. De Koninck, Québec) Arithmetic characterization of regularly varying functions, Ricerche Matematiche (Napoli) **44** (1995), No. 1, 41-64.

102. Some problems on mean values of the Riemann zeta-function, Journal de Théorie des Nombres Bordeaux **8** (1996), 101-122.

103. Power moments of the Riemann zeta-function over short intervals, Archiv der Mathematik (Basel-Stuttgart) **62** (1994), 418-424.

104. (with J. Koplowitz (Potsdam, USA) and J. Žunić (Novi Sad)) On the number of digital convex polygons inscribed into an (m, m) - grid, IEEE Transactions on Information Theory (USA) **40** (1994), 1681-1686.

105. (with K. Matsumoto, Morioka (Japan)) On the error term in the mean square formula for the Riemann zeta-function in the critical strip, Monatshefte Math. (Wien) **121** (1996), 213-229.

106. (with I. Gutman, Kragujevac) On Matula numbers, Discrete Mathematics, **150** (1996), 131-142.

107. On certain divisor functions in short intervals, Publications Inst. Math. Belgrade) **55(69)** (1994), 9-17.

108. (with Ž. Mijajlović, Belgrade) On Kurepa's problems in number theory, Publications Inst. Math. (Belgrade) **57(71)** (1995), 19-28.

109. (with I. Kiuchi, Yamaguchi (Japan)) On some integrals involving the Riemann zeta-function in the critical strip, Univ. Beograd. Publ. Elektrotehn. Fak. Ser. Mat. **5** (1994), 19-28.

110. On sums involving reciprocals of the largest prime factor of an integer II, Acta Arithmetica (Warszawa) **71** (1995), 229-251.

111. On a class of convolution functions connected with $\zeta(s)$, Bulletin t. CIX Acad. Serbe des Sciences et des Arts 1995, Sciences Math. No. **20**, 29-50.

112. An approximate functional equation for a class of Dirichlet series, J. Analysis (Madras, India) **3** (1995), 241-252.

113. **Uvod u Analitičku Teoriju Brojeva, Izdavačka knjižarnica Zorana Stojanovića, Sremski Karlovci – Novi Sad, 1996, 389 str.**

114. (with P. Erdős (Budapest), S.W. Graham (Houghton, USA), C. Pomerance (Athens, USA)), On the number of divisors of $n!$, Analytic Number Theory: Proceedings of a Conference in Honor of Heini Halberstam (Urbana, May 1995) Volume 1, (eds. B.C. Berndt et al.), Birkhäuser, Boston etc., 1996, 337-355.

115. On sums of gaps between the zeros of $\zeta(s)$ on the critical line, Univ. Beograd. Publ. Elektrotehn. Fak. Ser. Mat. **6** (1995), 55-62.

116. On the fourth moment of the Riemann zeta-function, Publications Inst. Math. (Belgrade) **57(71)** (1995), 101-110.

117. On the maximal order of certain arithmetic functions, FILOMAT (Niš) **9:3** (1995), 483-492.

118. The Mellin transform and the Riemann zeta-function, Proceedings of the Conference on Elementary and Analytic Number Theory (Vienna, July 18-20, 1996), Universität Wien & Universität für Bodenkultur, Eds. W.G. Nowak and J. Schoißengeier, Vienna 1996, pp. 112-127.

119. On the distribution of zeros of a class of convolution functions, Bulletin CXI de l'Académie Serbe des Sciences et des Arts - 1996, Classe des Sciences mathématiques et naturelles, Sciences mathématiques No. **21**, 61-71.

120. On the ternary additive divisor problem and the sixth moment of the zeta-function, "Sieve Methods, Exponential Sums, and their Applications in Number Theory" (eds. G.R.H. Greaves, G. Harman, M.N. Huxley), Cambridge University Press (Cambridge, UK), 1996, 205-243.

121. On the mean square for the error term in the approximate functional equation for $\zeta^2(s)$, Archiv der Mathematik (Basel–Stuttgart), **68** (1997), 468-476.

122. On some results concerning the Riemann Hypothesis, in "Analytic Number Theory" (Kyoto, 1996) ed. Y. Motohashi, LMS LNS **247**, Cambridge University Press, Cambridge, 1997, pp. 139-167.

123. The Voronoi identity via the Laplace transform, The Ramanujan Journal (U.S.A.) **2** (1998), 39-45.

124. The general additive divisor problem and moments of the zeta-function, in "New Trends in Probablitiy and Statistics (vol. 4)", Analytic and Probabilistic Methods in Number Theory (Proc. Second Inter. Conference in Honour of J. Kubilius, Palanga, Lithuania, 23-27 Sep. 1996, eds. A. Laurinčikas etc.), TEV, Vilnius, Lithuania and VSP, Utrecht-Tokyo, 1997, pp. 69-89.

125. On the error term for the fourth moment of the Riemann zeta-function, Journal London Math. Society **60**(2)(1999), 21-32.

126. On some problems involving the mean square of $|\zeta(\frac{1}{2} + it)|$, Bulletin CXVI de l'Académie Serbe des Sciences et des Arts - 1998, Classe des Sciences mathématiques et naturelles, Sciences mathématiques No. **23**, pp. 71-76.

127. On the number of subgroups of finite abelian groups, Journal de Théorie de Nombres de Bordeaux **9** (1997), 371-381.

128. On integral representations for powers of the Riemann zeta-function, Publicationes Mathematicae Debrecen **52** (1998), 469-495.

129. (with C. Pomerance, Athens, U.S.A.) On the distribution of champs, in Proceedings of the "Fifth Conference of the Canadian Number Theory Association" (Ottawa 1996, eds. K. Williams and R. Gupta), Centre de Recherches Mathématiques, AMS, CRM Proceedings and Lecture Notes, Volume **18**, 1998, pp. 133-139.

130. On some integrals involving certain number-theoretic error terms, Integral Transforms and Special Functions (Amsterdam) **7** (1998), 43-64.

131. (with J.-M. De Koninck, Québec) On a sum of divisors problem, Publs. Inst. Math. (Belgrade) **64(78)** (1998), 9-20.

132. (with K. Matsumoto and Y. Tanigawa, Nagoya, Japan) On Riesz means of the coefficients of the Rankin-Selberg series, Math. Proc. Cambridge Phil. Soc., **127**(1999),

117-131.

133. Integral representations of zeta-powers, in "Proceedings of the Numbers, Functions, Equations '98 International Conference" (Noszvaj, 1998), ed. Zsolt Páles, Janus Pannonius University, Pecs (Hungary), 1998, pp. 95-96.

134. (with M. Balazard, Bordeaux, France) The mean square of the logarithm of the zeta-function, Glasgow Mathematical Journal **42**(2000), 157-166.

135. On the multiplicity of zeros of the zeta-function, Bulletin CXVIII de l'Académie Serbe des Sciences et des Arts - 1999, Classe des Sciences mathématiques et naturelles, Sciences mathématiques No. **24**, pp. 119-131.

136. (with A. Fujii, Tokyo) On the distribution of sums of zeros of the Riemann zeta-function, Commentarii Math. Univ. Sancti Pauli (Tokyo) **49**(2000), 43-60.

137. On the integral of the error term in the fourth moment of the Riemann zeta-function, Functiones et Approximatio (Poznán, Poland) **28**(2000), 105-116.

138. (with M. Jutila (Turku) and Y. Motohashi (Tokyo)), The Mellin transform of powers of the zeta-function, Acta Arithmetica (Warszawa, Poland) **95**(2000), 305-342.

139. On the integral of the error term in the Dirichlet divisor problem, Bulletin CXXI de l'Académie Serbe des Sciences et des Arts - 2000, Classe des Sciences mathématiques et naturelles, Sciences mathématiques No. **25**, pp. 30-45.

140. Some mean value results for the Riemann zeta-function, in "Number Theory and Diophantine Analysis", Proceedings of the Turku Symposium on Number Theory in Memory of K. Inkeri (1999), ed. by M. Jutila and T. Metsänkylä, Walter de Gruyter, Berlin etc., 2000, pp. 145-161.

141. On some recent results in the theory of the zeta-function, in "Contemporary Mathematics – 125 years of Faculty of Mathematics" (ed. Neda Bokan), Faculty of Mathematics, University of Belgrade, 2000, pp. 83-92.

142. On certain sums over ordinates of zeta-zeros, Bulletin CXXI de l'Académie Serbe des Sciences et des Arts - 2001, Classe des Sciences mathématiques et naturelles, Sciences mathématiques No. **26**, pp. 39-52.

143. The Laplace transform of the fourth moment of the zeta-function, Univ. Beograd. Publ. Elektrotehn. Fak. Ser. Mat. **11**(2000), 41-48.

144. On some conjectures and results for the Riemann zeta-function and Hecke series, Acta Arithmetica (Warsaw) **109**(2001), 115-145.

145. The Laplace transform of the square in the circle problem, Studia Scientiarum Mathematicarum Hungarica **37**(2001), 391-399.

146. On sums of Hecke series in short intervals, J. de Théorie des Nombres Bordeaux **13**(2001), 453-468.

147. The fourth moment of the zeta-function, Proceedings 10th Congress of Yugoslav Mathematicians, Belgrade January 2001, Faculty of Mathematics, Belgrade 2001, 73-62.

148. On small values of the Riemann zeta-function on the critical line and gaps between zeros, Lietuvos Mat. Rinkinys **42**(2002), 31-45.

149. Sums of squares of $|\zeta(\frac{1}{2} + it)|$ over short intervals, Max-Planck-Institut für Mathematik, Preprint Series 2002(**52**), pp. 12. (also in "Bonner Math. Schriften" Nr. 360 (eds. D.R. Heath-Brown and B.Z. Moroz), Proc. Session in analytic number theory and Diophantine equations, pp. 17)

150. On certain large additive functions, Paul Erdős and his Mathematics (G. Halász et al eds.), Bolyai Society Mathematical Studies 11, Springer Verlag, Budapest 2002, pp. 319-331.

151. On the moments of Hecke series at central points, Functiones et Approximatio **30**(2002), 49-82.

152. On sums of Fourier coefficients of cusp forms, in Proceedings of the IV International Conference "Modern Problems of Number Theory and its Applications" (Tula, Sept. 2001, eds. N.V. Chubarikov et al.), Part II, Moscow, 2002, 92-97.

153. On the estimation of $\mathcal{Z}_2(s)$, in "Anal. Probab. Methods Number Theory" (eds. A. Dubickas et al.), TEV, Vilnius, 2002, 83-98.

154. On a sum involving the prime counting function $\pi(x)$, Univ. Beograd. Publ. Elektrotehn. Fak. Ser. Mat. **13**(2002), 85-88.

155. On summatory functions of additive functions and regular variation, Publications de l'Institut Mathématique (Belgrade) **71(85)** (2002), 27-39.

156. On mean values of some zeta-functions in the critical strip, Journal de Théorie des Nombres de Bordeaux **15**(2003), 163-178.

157. **The Riemann zeta-function (2nd edition), Dover, New York 2003, XVI + 517 pp.**

158. On some mean value results involving $|\zeta(\frac{1}{2}+it)|$, Bulletin CXXVII de l'Académie Serbe des Sciences et des Arts - 2003, Classe des Sciences mathématiques et naturelles, Sciences mathématiques No. **28**, pp. 17-29.

159. On sums of squares of the Riemann zeta-function on the critical line, in 'Proceedings of the Session in analytic number theory and Diophantine equations (Bonn, January–June 2002)', eds. D.R. Heath-Brown and B.Z. Moroz, Bonner Mathematischer Schriften Nr. **360**, Bonn 2003, 17 pp.

160. (with M. Jutila, Turku) On the moments of Hecke series at central points II, Functiones et Approximatio **31**(2003), 93-108.

161. Estimates of convolutions of certain number-theoretic error terms, International Journal of Mathematics and Mathematical Sciences 2004:1, 1-23.

162. On the integral of Hardy's function, Archiv Mathematik (Basel–Stuttgart) **83**(2004), 41-47.

163. Some identities for the Riemann zeta-function, Univ. Beograd. Publ. Elektrotehn. Fak. Ser. Mat. **14**(2003), 20-25.

164. A mean value result involving the fourth moment of $|\zeta(\frac{1}{2}+it)|$, Annales Univ. Sci. Budapest, Sect. Comp. **23**(2004), 47-58.

165. The circle and divisor problem, Bulletin CXXIX de l'Académie Serbe des Sciences et des Arts - 2004, Classe des Sciences mathématiques et naturelles, Sciences mathématiques No. **29**, pp. 79-83.

166. On the Riemann zeta function and the divisor problem, Central European Journal of Mathematics 2(**4**) (2004), 1-15.

167. The distribution of zeros of the zeta-function, Bulletin CXXIV de l'Académie Serbe des Sciences et des Arts - 2003, Classe des Sciences mathématiques et naturelles, Sciences naturelles No. **40**, pp. 77-91.

168. The Riemann zeta-function and the divisor problem, Mathematisches Forschungsinstitut Oberwofach, Workshop Report 46, 2004, 39-41.

169. On the Riemann zeta function and the divisor problem II, Central European Journal of Mathematics 3(**2**) (2005), 203-214.

170. On a problem of Erdős involving the largest prime factor of n, Monatshefte Math. (Wien) **145**(2005), 35-46.

171. The Mellin transform of the square of Riemann's zeta-function, International J. of Number Theory **1**(2005), 65-73.

172. Some identities for the Riemann zeta-function II, Facta Universitatis (Niš) **20**(2005), 1-8.

173. (with P. Sargos, Nancy) On the higher power moments of the error term in the divisor problem, Illinois J.Math. **81**(2007), 353-377.

174. On the estimation of some Mellin transforms connected with the fourth moment of $|\zeta(\frac{1}{2} + it)|$, Elementare und Analytische Zahlentheorie (Tagungsband), Proceedings ELAZ-Conference May 24-28, 2004 (W. Schwarz und J. Steuding eds.), Franz Steiner Verlag 2006, pp. 77-88.

175. (with E. Krätzel, M. Kühleitner and W.G. Nowak), Lattice points in large regions and related arithmetic functions: Recent developments in a very classic topic, Proceedings ELAZ-Conference May 24-28, 2004 (W. Schwarz und J. Steuding eds.), Franz Steiner Verlag 2006, pp. 89-128.

176. The Laplace and Mellin transforms of powers of the Riemann zeta-function, International Journal of Mathematics and Analysis **1**(2), 2006, 113-140.

177. (with Y. Motohashi) The moments of the Riemann zeta-function Part I: The fourth moment off the critical line, Functiones et Approximatio **35** (2006), 133-181.

178. Convolutions and mean square estimates of certain number-theoretic error terms, Publs. Inst. Math. **80(94)**(2006), 141-156.

179. On the mean square of the zeta-function and the divisor problem, Annales Acad. Scien. Fennicae Math. **32**(2007), 1-9.

180. On some mean square estimates in the Rankin-Selberg problem, Applicable Analysis and Discrete Mathematics **1**(2007), 111-121.

181. On sums of integrals of powers of the zeta-function in short intervals, Multiple Dirichlet Series, Automorphic Forms, and Analytic Number Theory (eds. S. Friedberg et al.), Proc. Symposia Pure Math. Vol. **75**, AMS, Providence, Rhode Island, 2006, pp. 231-242.

182. On the Riemann zeta-function and the divisor problem IV, Uniform Distribution Theory **1**(2006), 125-135.

183. On moments of $|\zeta(\frac{1}{2} + it)|$ in short intervals, Ramanujan Math. Soc. LNS**2**, The Riemann zeta function and related themes: Papers in honour of Professor K. Ramachandra (Proc. Conference held at Bangalore 13-15 Dec. 2003, eds. R. Balasubramanian and K. Srinivas), 2006, 81-97.

184. On exponential sums with Hecke series at central points, Functiones et Approximatio **37**(2007), 7-35.

185. (with M.N. Huxley, Cardiff) Subconvexity for the Riemann zeta-function and the divisor problem, Bulletin CXXXIV de l'Académie Serbe des Sciences et des Arts -

2007, Classe des Sciences mathématiques et naturelles, Sciences mathématiques No. **32**, pp. 13-32.

186. On the fourth moment in the Rankin-Selberg problem, Archiv der Mathematik **90**(2008), 412-419.

187. (with Y. Bugeaud, Strasbourg) Sums of the error term function in the mean square for $\zeta(s)$, Monatshefte für Mathematik, **155**(2008), 107-118.

188. On the Riemann zeta-function and the divisor problem III, Annales Univ. Sci. Budapest., Sect. Comp. **29**(2008), 3-23.

189. Some remarks on the moments of $|\zeta(\frac{1}{2}+it)|$ in short intervals, Acta Math. Hung. **119**(2008), 15-24.

190. Zetafunctionology:10939, The American Mathematical Monthly, Vol. **110**, No. 9, (2003), 847-848.

191. On the mean square of the divisor function in short intervals, Journal de Théorie des Nombres de Bordeaux **21**(2009), 195-205.

192. On some reasons for doubting the Riemann Hypothesis, in P. Borwein, S. Choi, B. Rooney and A. Weirathmueller, "The Riemann Hypothesis", CMS Books in Mathematics, Springer, 2008.

193. On the divisor function and the Riemann zeta-function in short intervals, The Ramanujan Journal: Volume 19, Issue2 (2009), 207-224.

194. On the mean square of the Riemann zeta-function in short intervals, Publications de l'Institut Mathématique (Belgrade) **85(99)**, 2009, 1-17.

195. On mean value results for the Riemann Zeta-Function in short intervals, Hardy-Ramanujan J. **32**(2009), 4-23.

196. On the Mellin transforms of powers of Hardy's function, Hardy-Ramanujan Journal **33**(2010), 32-58.

197. (with Wenguang Zhai, Beijing) Higher moments of the error term in the divisor problem (in Russian), Matematičeskie Zametki **88**(2010), 374-383 (= Math. Notes **88**(2010), 338-346).

198. On some problems involving Hardy's function, Central European Journal of Mathematics **8(6)**(2010), 1029-1040.

199. The mean value of the zeta-function on $\sigma = 1$, The Ramanujan Journal **26**(2011), 209-227.

200. On Some Relations for Mellin Transforms of Hardys Function, Commentarii Math. Univ. Sancti Pauli, **60**(2011), 61-76.

201. (with Jie Wu, Nancy) On the General Additive Divisor Problem, Proceedings of the Steklov Institute of Mathematics **276**(2012), 140-148.

202. **The theory of Hardy's Z-function, Cambridge University Press, Cambridge, 2012, 245pp.** ISBN 978-1-107-02883-8,
Book DOI: http://dx.doi.org/10.1017/CBO9781139236973

203. On the Rankin-Selberg problem in short intervals, Moscow Journal of Combinatorics and Number Theory, vol. **2**, issue 3, 2012, 3-17. ISSN 22205438

204. On the Rankin-Selberg zeta-function, J. Aust. Math. Soc. **93**(2012), 101-113. DOI: 10.1017/S1446788712000225, Published online: 19 September 2012.

205. (with Wenguang Zhai) A mean value result for the fourth moment of $|\zeta(\frac{1}{2}+it)|$ II, Annales Univ. Sci. Budapest., Sect. Comp. **38**(2012), 233-244.

206. On some mean value results for the zeta-function in short intervals, Acta Arith. **162**.2(2014), 141-158.

207. (with Wenguang Zhai) On the Dirichlet divisor problem in short intervals, The Ramanujan Journal **33**(2014), 447-465. DOI 10.1007/s11139-013-9470-6.

208. The divisor function and divisor problem, presented at the Erdős Centennial Conference "ERDOS100" Budapest 2013, Journal of Analysis & Number Theory **2** No. 1 (2014), 17-23, preprint available at `arXiv:1308.5782`.

209. On some mean square estimates for the zeta-function in short intervals, Annales Univ. Sci. Budapest., Sect. Comp. **40**(2013), 321–335.

210. The mean value of the Riemann zeta-function on the critical line, in "Analytic Number Theory, Approximation Theory, and Special Functions", eds. G.V. Milovanović and M.Th. Rassias, Springer, New York etc, 2014, 3-68. DOI 10.1007/978-1-4939-0258-3_1

211. (with Wenguang Zhai) On a hybrid fourth moment involving the Riemann zeta-function, in "Topics in Mathematical Analysis and Applications", Eds. T. Rassias and L. Tóth, Springer Optimization and its Applications **94**, 2014, 461-482. DOI 10.1007/978-3-319-06554-0_19.

212. On the moments of the function $E^*(t)$, Turkish Journal of Analysis and Number Theory, vol. 2, no. 3(2014), 102-109. doi: 10.12691/tjant-2-3-9, available online at http://pubs.scieoub.com/tjant/2/3/9

213. Some Applications of Laplace Transforms in Analytic Number Theory, NJOM **45**(2015), Vol. 1, 31-44.

214. Hybrid moments of the Riemann zeta-function, Journal of Numbers, Volume 2015(2015), Article ID 892324, 14 pages, `http://dx.doi.org/10.1155/2015/892324`.

215. (with Wenguang Zhai), On some mean value results for the zeta-function and a divisor problem II, Indagationes Mathematicae, Volume 26, Issue 5, Issue 5, 2015, December 2015, Pages 842-866, DOI 10.1016/j.indag.2015.05.002.

216. Large values of the zeta-function on the critical line, in "Analytic Number Theory" (In honor of Helmut Maier's 60th birthday), Eds. C. Pomerance - M.Th. Rassias, Springer Verlag 2015, 171-194. DOI 10.1007/978-3-319-22240-0.

217. (with Steven M. Gonek) On the distribution of positive and negative values of Hardy's Z-function, J. Number Theory **174**(2017), 189-201, http://dx.doi.org.10.1016.j/jnt.2016.10.015.

218. On Some Mean Value Results for the Zeta-function and a Divisor Problem, Filomat 30:8 (2016), 2315-2327. DOI 10.2298/FIL1608315I

219. Some remarks on the differences between ordinates of consecutive zeta zeros, preprint available online at `arXiv:1610.01317`.

220. On some upper bounds for the zeta-function and the Dirichlet divisor problem, Int. J. Number Theory **12**(2016), no. 8, 2231–2239.

221. On some selected works of Wolfgang Schwarz, in "From Arithmetic to Zeta-functions", Eds. J. Sander et al, Springer International Publishing Switzerland 2016, 193-208. DOI 10.1007/978-3-319-28203-9_13.

222. On certain moments of Hardy's function $Z(t)$ over short intervals, Moscow

Journal of Combinatorics and Number Theory, 2017, vol. 7, iss. 2, pp. 59-73, [pp. 147-161].

223. Hardy's function *Z(t)*: results and problems, Proc. Steklov Institute Math. **296**(2017), 1-11.

224. On the multiplicities of zeros of $\zeta(s)$ and its values over short intervals, Journal of Number Theory **185**(2018), 65-79. `https://doi.org/10.1016/j.jnt.2017.09.017`

225. (with Wenguang Zhai), On certain integrals involving the Dirichlet divisor problem, preprint available at `arXiv:1711.09589`.

226. On a cubic moment of Hardy's function with a shift, in "Exploring the Riemann Zeta Function", eds. H.L. Montgomery, A. Nikeghbali, M.T. Rassias, Springer Verlag, Berlin etc., 2017, pp. 99-112. DOI 10.1007/978-3-319-59969-4_6

227. On sums of squares of $|\zeta(1/2 + i\gamma)|$ over short intervals, Annales Univ. Sci. Budapest., Sect. Comp. **47**(2018), preprint available at `arXiv:1801.01289`.

228. A note on the zeros of the zeta-function of Riemann, preprint available at `arXiv:1801.04711`.

229. Some remarks on the difference between ordinates of consecutive zeta zeros, Functiones et Approximatio **58**(2018), 23-35. doi: 10.7169/facm/1633.

230. On certain sums over ordinates of zeta-zeros II (with A. Bondarenko, E. Saksman and K. Seip), Hardy Ramanujan Journal **41**(2018), 85-97, preprint available at `arXiv:1808.01763`.

231. (with M.A. Korolev) On the distribution of values of the argument of the Riemann zeta-function, J. Number Theory (2019), https://doi.org/10/1016/j.jnt.2018/12.011.