

СПИСЪК НА ВСИЧКИ ПУБЛИКАЦИИ

ИВАН НИКОЛОВ ЛАНДЖЕВ

1. A lower bound for the support size of BIBD's with repeated blocks, Proceedings of the Conference Dedicated to Acad. L.Chakalov, Samokov, 1986, 104–108.
2. Balanced incomplete block designs (11,3,3) with repeated blocks, Mathematics and Education in Mathematics, Sunny Beach, 1987, 487–492, in bulgarian. [MR 89d:05030][ZBl 626.05005]
3. On symmetric 2-(41,16,6) designs invariant under the Frobenius group of Order 10, *Compt. Rend. Acad. Bulg. Sci.*, **40** No5, 1987, 29–31. [MR 88k:05029]
4. 2-(25,10,6) designs invariant under the dihedral group of order 10, *Annals of Discrete Mathematics*, **34**, 1987, 301–306. (with S.Kapralov and V.Tonchev) [MR 89e:05031][ZBl 637.05005]
5. On indecomposable balanced incomplete t-designs, Mathematics and Education in Mathematics, Sunny Beach, 1988, 386–389, in bulgarian.
6. Indecomposable block designs with $v=7$, $k=3$, Mathematics and Education in Mathematics, Albena, 1989, 386–389, in bulgarian. [MR 90f:05018]
7. Results on the support of BIB designs, *Journal of Statistical Planning and Inference*, **22**, 1989, 295–306. (with A.S.Hedayat and V.Tonchev. [MR 90d:05037][ZBl 674.05006] IF:0.398
8. The possible support sizes for BIB designs with $v=8$, $k=4$, *Journal of Combinatorial Theory Ser. A*, **51**, 1989, 258–267. (with A.S.Hedayat and J.Stufken) [MR 91g:05014] IF:0.552
9. Automorphisms of 2-(22,8,4) designs, *Discrete Mathematics*, **77**, 1989, 177–189. (with V.Tonchev) [MR 91a:05011] IF:0.162
10. BIB(22,8,4) designs with automorphisms of order 2 and self-orthogonal codes over GF(3), Mathematics and Education in Mathematics, Sunny Beach, 1990, 109–111, in bulgarian.
11. A new design, Coding Theory and Design Theory, Part II, The IMA Volumes in Mathematics and Its Applications, Vol. 21, Springer 1990, 251–256. (with J.H. van Lint and V.Tonchev) [MR 91f:05018]
12. On the automorphism group of BIB(22,33,12,8,4) designs, Proceedings of the Second International Workshop on ACCT, Leningrad, September 1990, 133–136. (with K. Manev)
13. On the Z-rank of certain (0,1)-matrices, Derived from Combinatorial Designs, Proceedings of the Third International Workshop on ACCT, V.voda, June 1992, 118–121.
14. On block designs with repeated blocks, *Discrete Mathematics*, **106/107**, 1992, 317–328. IF:0.162

Date: 21.05.2024.

15. A family of codes derived from finite affine spaces, *Atti del Seminario Matematico e Fisico dell'Universita di Modena*, **XLII**, 1994, 455–466.
16. Some lower bounds for mixed covering codes, *Lecture Notes in Computer Science*, **781**, 1994, 38–50.
(with E. Kolev) IF:0.296
17. Some aspects of anonymity of communications, Swedish-Russian Workshop on Information Theory, Mölle, 22-27 August, 1993, 287–291.
18. Optimal quaternary codes of dimension four and five, "Algebraic and Comb. Coding Theory", Proc. of the Workshop on ACCT, Novgorod, 1994, 98–101. (with R. Hill and P. Lizak)
19. On near-MDS codes, Proc. of the IEEE Symposium on Information Theory, Trondheim, Norway, 1994, 427. (with S. Dodunekov)
20. On near-MDS codes, *Journal of Geometry*, **54**, 1995, 30–43. (with S. Dodunekov)
21. On a two-dimensional search problem, *Serdica Math. J.*, **21**, 1995, 219–230. (with E. Kolev)
22. The nonexistence of $[143, 5, 94]_3$ codes, Proc. Int. Workshop on Optimal Codes, Sozopol, 1995, 108–117.
23. On maximal spherical codes, *Lecture Notes in Computer Science* **948**, 1995, 158–168. (with P. Boyvalenkov)
24. On the onexistence of $[51, 4, 37]_4$ codes, *Finite Fields and Their Applications*, **2**, 1996, 96–110. (with R. Hill and T. Maruta)
25. On the binary codes of Steiner Triple Systems, *Designs, Codes and Cryptography*, **8**(1996), 29–43.
(with A. Baartmans and V. Tonchev)
26. The geometry of $(n, 3)$ -arcs in the projective plane of order 5, Proc. of the Sixth Workshop on ACCT, Sozopol, 1996, 170–175.
27. Constructions of group divisible designs, *Designs, Codes and Cryptography*, **8**, 1996, 309–318.
28. On the quaternary $[11, 6, 5]$ and $[12, 6, 6]$ codes, *Applications of Finite Fields* (ed. D. Gollmann), IMA Conference Series 59, Clarendon Press, Oxford, 1996, 75–84. (with S. Dodunekov)
29. On the nonexistence of some quaternary codes, *Applications of Finite Fields* (ed. D. Gollmann), IMA Conference Series 59, Clarendon Press, Oxford, 1996, 85–98 (with R. Hill)
30. Secret sharing schemes and linear codes over finite fields, *Math. and Education in Mathematics*, Proc of the 26th Spring Conference of the Union of Bulgarian Mathematicians, Plovdiv, 1997, 13–27.
31. A note on the MacWilliams identities, *Compt. Rend. Bulg. Acad. Sci.*, **50**(9-10), 1997, 17–18.
32. Optimal linear codes of dimension 4 over \mathbb{F}_5 , *Lecture Notes in Comp. Science*, **1255**, 1997, 212–220.
33. Projective Hjelmslev geometries, Proc. of the International Workshop on Optimal Codes, Sozopol, 1998, 97–115. (with Th. Honold)

34. Linear codes over finite chain rings, Proc. of the International Workshop on Optimal Codes, Sozopol, 1998, 116-126. (with Th. Honold)
35. The nonexistence of some ternary optimal codes of dimension five, *Designs, Codes and Cryptography* **15**, 1998, 245–258.
36. Linearly representable codes over chain rings, Proc. of the Int. Workshop on ACCT , Pskov, Russia, 1998, pp. 135–141. (with Th. Honold)
37. New symmetric (61,16,4) designs invariant under the dihedral group of order 10, *Serdica Math. J.*, **24**, 1998, 179–186. (with Sv. Topalova)
38. All Reed-Muller codes are linearly representable over the ring of dual numbers over \mathbb{Z}_2 , *IEEE Trans. on Information Theory*, **45**, 1999, 700-701. (with Th. Honold) IF:2.009
39. Linearly representable codes over chain rings, *Abhandlungen des Mathematischen Seminars der Universität Hamburg*, **69**, 1999, 187–203. (with Th. Honold) IF:0.241
40. On maximal spherical codes - II, *Journal of Combinatorial Designs*, **7**(5), 1999. (with P.Boyvalenkov and D.Danev)
41. On the minimum length of quaternary linear codes of dimension five, *Discrete Mathematics*, **202**, 1999, 145–161. (with T. Maruta) IF:0.318
42. Linear codes over finite chain rings, *Electronic Journal of Combinatorics*, **7**(1), 2000, R11. (with Th. Honold)
43. Near-MDS Codes over some small fields, *Discrete Mathematics*, **213**, 2000, 55–65. (with S. Dondunekov) IF:0.294
44. Linear codes over finite fields and finite projective geometries, *Discrete Mathematics*, **213**, 2000, 211-214. IF:0.294
45. On complete caps in the projective geometries over \mathbb{F}_3 , *Journal of Geometry*, **67**, 2000, 127-144. (with Ray Hill, Chris Jones, Leo Storme and János Barát)
46. Caps in $PG(5, 3)$ and $PG(6, 3)$, Proc. of the 7th International Workshop on ACCT, Bansko, 2000, 65–67. (with J. Barát, Y. Edel, R.Hill, C. Jones and L. Storme).
47. Arcs in projective Hjelmslev spaces obtained from Teichmüller sets, Proc. of the 7th International Workshop on ACCT, Bansko, 2000, 177–182. (with L. Hemme and Th. Honold)
48. Optimal linear codes over \mathbb{F}_5 , Proc. of the 7th International Workshop on ACCT, Bansko, 2000, 207-212. (with A. Rousseva)
49. MacWilliams identities for codes over finite Frobenius rings, In: *Finite Fields and Applications* (eds. D. Jungnickel, H. Niederreiter), Springer, 2000, 276–292. (with Th. Honold)
50. Dugi v proektivnyh Hjelmslevovyh ploskostyah, *Diskretnaya Matematika* 13(1)(2001), 90-109.

- English translation: Arcs in projective Hjelmslev planes, *Discrete Mathematics and Applications* **11**, 2001, 53–70. (with Th. Honold)
51. On arcs in projective Hjelmslev planes, *Discrete Mathematics*, **231**, 2001, 265–278. (with Th. Honold) IF:**0.310**
 52. On $(q^2 + q + 2, q + 2)$ -arcs in the projective plane $PG(2, q)$, *Designs, Codes and Cryptography*, **24**, 2001, 205–224. (with S. Ball, R. Hill and N.H. Ward) IF:**0.522**
 53. The geometric approach to linear codes, in: *Finite Geometries* (eds. A. Blokhuis, J. Hirschfeld, D. Jungnickel, J. Thas), Ser. Developments in Mathematics, 2001, 247–257.
 54. The classification of the largest caps in $AG(5, 3)$, *Journal of Combinatorial Theory* Ser. A, 99(2002), 95–110. (with Y. Edel, S. Ferret, L. Storme) IF:**0.443**
 55. On the nonexistence of some optimal arcs in $PG(4, 4)$, Proc. of the 8th International Workshop on ACCT, Carskoe selo, 2002, 176–180. (with A. Rousseva)
 56. On optimal codes over the field with five elements, *Designs Codes and Cryptography*, 29(2003), 165–175. (with T. Maruta, R. Hill and A. Rousseva) IF:**0.500**
 57. Some new arcs in projective Hjelmslev planes over chain rings, Proc. of the 9th International Workshop on ACCT, Kranevo, 2004, 56–62. (with S. Boumova)
 58. Constructions of $(q^2 + sq + s + 1, q + s + 1)$ -arcs in planes of odd order Proc. of the 9th International Workshop on ACCT, Kranevo, 2004, 260–265. (with A. Rousseva)
 59. On the minimum size of some minihypers and related linear codes, *Designs, Codes and Cryptography* **34**(2005), 5–15. (with T. Maruta and A. Rousseva). IF:**0.661**
 60. On the geometric structure of some quaternary codes, Proc. of the 4th International Workshop on Optimal codes and related topics, Pamporovo, 2005, 220–225. (with A. Rousseva)
 61. On maximal arcs in projective Hjelmslev planes over chain rings of even characteristic, *Finite Fields and Their Applications* **11**(2005), 292–304. (with Th. Honold) IF:**0.338**
 62. On the automorphism group of the hypothetical 2-(40,10,3) design, *Mathematics and Education in Mathematics*, Borovetz, 2005, 487–492. (with Kr. Haralambiev)
 63. A note on spreads in projective Hjelmslev geometries, Proc. of the 10th International Workshop on Algebraic and Combinatorial Coding Theory, Zvenigorod, Russia, 2006, 182–185.
 64. Analysis of the Correctness of an Electronic Voting Scheme, Proc. of the 2nd International Workshop on Informatics and Education in Informatics, Borowets, 2006, 93–98.
 65. An extension theorem for arcs and linear codes, *Problems of Information Transmission* 42(4)(2006), 65–76. (with A. Rousseva) IF:**0.446**
 66. On multiple deletion codes, *Serdica J. Computing* 1(2006), 13–26. (with Kr. Haralambiev)

67. Caps in projective Hjelmslev spaces over finite chain rings of nilpotency index 2, *Innovations in Incidence Geometry*, 4(2006), 13–25. (with Th. Honold)
68. On blocking sets in projective Hjelmslev planes, *Advances in Mathematics of Communication* 1(2007), 65–82.
69. Optimal linear codes and finite geometries, *Journal of the Bulgarian Academy of Sciences CXX*, 6, 2007, 57–68.
70. A weighted version of a result of Hamada on minihypers and on linear codes meeting the Griesmer bound, *Designs, Codes and Cryptography* 45 (2007), 123–138. (with L. Storme) **IF:0.681**
71. Cryptographic protocol, *Mathematics and Education in Mathematics*, Proc. 36th Spring Conference of the UBM, 2007, 67–81.
72. Plane minihypers related to maximal arcs, *Proc 5th Int. Conf. on Optimal Codes and Related Topics*, 2007.
73. The nonexistence of some Griesmer arcs in $PG(4,5)$, *Serdica J. of Computing* 2(2), 2008, 197–206. (with A. Rousseva)
74. Blocking sets of Redei type in projective Hjelmslev planes, *Proc. of the XI Workshop on ACCT*, 2008, 166–170. (with S. Boev)
75. A note on a result by Hamada on minihypers, *Proc. of the XI Workshop on ACCT*, 2008, 171–176. (with A. Rousseva)
76. Optimal arcs in Hjelmslev spaces of higher dimension, *Proc 6th International Workshop on Optimal codes*, Varna, 2009, 132–138. (with S. Boev and Th. Honold)
77. The nonexistence of some optimal arcs in $PG(4,4)$, *Proc 6th International Workshop on Optimal codes*, Varna, 2009, 139–144. (with A. Rousseva)
78. A family of two-weight ring codes and strongly regular graphs, *Compt. Rend. Acad. Bulg. Sci* 62, No3 (2009), 297–302. (with S. Boev) **IF: 0.204**
79. Linear codes over finite chain rings and projective Hjelmslev geometries, *Codes over Rings*, edited by Patrick Sole (CNRS, France) Series on Coding Theory and Cryptology - Vol. 6, World Scientific, 2009, 00.60–123. ISBN 978-981-283-768-4; ISBN 981-283-768-X. (with Th. Honold)
80. Spreads in projective Hjelmslev geometries, *Lecture Notes in Computer Science* **5527**(2009), 186–194.
81. A study of $(x(q+1), x)$ -minhypers, *Designs, Codes and Cryptography* 54, No 2 (2010), 135–147. (with L. Storme) **IF:0.771**
82. New arcs of maximal size in the projective Hjelmslev planes of order 9, *Compt. Rend. Acad. Bulg. Sci.* 63, No 2 (2010), 171–180. (with Th. Honold and M. Kiermaier) **IF:0.219**

83. On multiple caps, *Designs Codes and Cryptography* 56(2010), 163-175.(with Y. Edel) **IF:771**
84. The generalizations of some constructions by Megyesi to projective Hjelmslev planes, *Proc. 12th Workshop on ACCT, Novosibirsk, 2010*, 43-46. (with S. Boev)
85. A class of Griesmer codes related to caps, *Proc. 12th Workshop on ACCT, Novosibirsk, 2010*, 206-209. (with A. Rousseva)
86. Blocking sets of Redei type in projective Hjelmslev planes, *Discrete Mathematics* 310(2010), 2061-2068. (with S. Boev) **IF:0.548**
87. The dual construction for arcs in projective Hjelmslev spaces, *Advances in Mathematics of Communications*, 5(2011), 11-21. (with Th. Honold)- in the top ten of the downloaded articles of AMC. **IF:0.544**
88. On the divisibility of arcs with multiple points, *Ann de l'Univ. de Sofia, Faculte de Math. et Inf.* vol. 100(2012), 21-26. (with A. Rousseva)
89. Optimal arcs in Hjelmslev spaces of higher dimension, *Compt. Rend. de l'Acad. Bulg. des Sci.* 64(2011), 625-632. (with S. Boev and T. Honold) **IF:0.219**
90. Characterization of some optimal arcs, *Advances in Mathematics of Communications*, 5(2011), 317-332. (with A. Rousseva) **IF:0.548**
91. A note on (xv_{t+1}, xv_t) -minihypers, *Proc of the 3rd Castle Meeting in Coding Theory and Applications* (eds. J. Borges, M. Villanueva), Barcelona 2011, pp. 181-186. (with P. Vanderdriesche)
92. The MacWilliams Identities, *Proc of the Seventh International Conference on Computer Science and Education in Computer Science, Sofia, 06-10.07.2011*, 25-43.
93. Codes over rings and ring geometries, chapter 7 in: "Current research topics in Galois geometries" (eds. L.Storme and Jan De Beule) NOVA Publishers, 2012, 161-186. (ISBN 978-1-61209-523-3)(with Th. Honold)
94. Linear codes and Galois geometries, chapter 8 in: "Current research topics in Galois geometries" (eds. L. Storme and J. De Beule), NOVA Publishers, 187-214. (ISBN 978-1-61209-523-3)(with L. Storme)
95. Non-free extensions of the Simplex codes over a chain ring with four elements, *Designs, Codes and Cryptography* 66(2013), 27-38. **IF:0.771**
96. Designs in projective Hjelmslev spaces, *Contemporary Mathematics AMS Series*, vol. 579, 2012, 111-122. (with M. Kiermaier)
97. A note on (xv_t, xv_{t-1}) -minihypers in $PG(t, q)$, *Journal of Combinatorial Theory Ser. A* 119(2012), 1123-1131. (with P. Vanderdriesche) DOI: 10.1016/j.jcta.2012.02.009 **IF:0.683**

98. On the Sharpness of the Jamison-Bruen Bound, Proc of the 13th Int. Workshop on ACCT, Pomorie, 15-21.06.2012, 223-227. (with A. Rousseva)
99. (xv_t, xv_{t-1}) -minihypers in $PG(t, q)$, Proc of the 13th Int. Workshop on ACCT, Pomorie, 15-21.06.2012, 228-233. (with P. Vandendriesche)
100. On blocking sets in affine Hjelmslev spaces, *Serdica J. of Computing* **6**(2)(2012), 175–184. (with S. Boev)
101. A Note on the Existence of R -Analogues of Designs in Projective Hjelmslev Spaces, Proc. 8th Int. Conference in Computer Science and Education in Computer Science, Boston University, 04.07.-09.07.2012.
102. Chain ring analogs of designs, *Electronic Notes in Discrete Mathematics* **40**(2013), 211–215. (with P. Vandendriesche)
103. On t -fold blocking sets and the sharpness of Bruen's bound, *Electronic Notes in Discrete Mathematics* **40**(2013), 329–333. (with A. Rousseva)
104. On the rank of incidence matrices in projective Hjelmslev spaces, Proc. Int Workshop on Coding Theory and Cryptography (WCC13), 15-19.04.2013, Bergen, Norway, 459-465. (with P. Vandendriesche)
105. A Note on the Existence of Spreads in Projective Hjelmslev Spaces, Seventh International Workshop on Optimal Codes and Related Topics, Albena, Bulgaria, 06.-12.09.2013, 91-95. (with N. Georgieva)
106. Blocking Sets in Finite Projective Spaces and the Extension Problem for Linear Codes, Seventh International Workshop on Optimal Codes and Related Topics, Albena, Bulgaria, 06.-12.09.2013, 140-145. (with A. Rousseva)
107. On the sharpness of Bruen's bound for intersection sets in Desarguesian affine spaces, *Designs, Codes and Cryptography* **72**(2014), 551–558, DOI 10.1007/s10623-012-9783-2. (with A. Rousseva)
IF:0.932
108. On the rank of incidence matrices in projective Hjelmslev spaces, *Designs, Codes and Cryptography* **73**(2014), 615–623. (with P. Vandendriesche)
IF:0.73
109. On the extendability of quasidivisible arcs, Proc. of the 14th Int. Workshop in ACCT, Svetlogorsk, Russia, 2014, 221–226. (with A. Rousseva)
110. Homogeneous arcs in projective Hjelmslev spaces, Proc. of the 14th Int. Workshop in ACCT, Svetlogorsk, Russia, 2014, 80–84. (with S. Boev)
111. On the extendability of Griesmer arcs, *Annuaire de l' Univ. de Sofia* **101**(2013/14), 183–191. (with A. Rousseva)

112. On the point-by-subspace incidence matrices of projective Hjelmslev spaces, *Compt. Rend. Acad. Bulg. des Sciences* **67**(2014), 1485–1490. (with P. Vandendriesche) IF:**0.198**
113. On the Extendability of Quasidivisible Griesmer Arcs, *Designs, Codes and Cryptography* **79**(2016), 535–547. DOI:10.1007/s10623-015-0114-2 IF:**1.009**
114. The Nonexistence of $(104, 22; 3, 5)$ -Arcs, *Advances in Mathematics of Communications* **10**(3)(2016), 601–611. DOI:10.3934/amc2016029 (with A. Rousseva) IF:**0.8**
115. Linear codes close to the Griesmer bound and the related geometric structures, Proc of the 15th International Workshop on ACCT, Albena, 2016, 206–208. (with A. Rousseva)
116. Characterization of highly divisible arcs, Proc of the 15th International Workshop on ACCT, Albena, 2016, 267–271. (with A. Rousseva)
117. On the geometrical sunflower bound, Proc. Eighth International Workshop on Optimal Codes and Related Topics, 06.2017, 93–97. (with L. Lucas, L. Storme, P. Vandendriesche)
118. On the representation of modules over finite chain rings, *Annuaire de l' Univ. de Sofia* (Fac. Math. and Inf.) **104**(2017), 83–98. (with N. Georgieva)
119. A note on divisible arcs in projective spaces of prime order, *Compt. Rend. Acad. Bulg. des Sciences* **70**(1)(2017), 13–20. (with A. Rousseva) IF:**0.251**
120. On the Sharpness of the Griesmer bound, *Electronic Notes in Discrete Math.* **57**(2017), 147–152. (with A. Rousseva)
121. On the characterization of $(3 \bmod 5)$ -arcs, *Electronic Notes in Discrete Math.* **57**(2017), 187–192. (with A. Rousseva)
122. The non-existence of linear codes with parameters $[204, 4, 162]$ over $\text{GF}(5)$, Proceedings of the XIV International Conference on CSECS. Boston University, Boston, 2018, 1-10. (ISSN 2603:4794) (with A. Rousseva)
123. On Sperner's Theorem, Proceedings of the XV International Conference on CSECS. Boston University, Boston, 2018, 167–172. (ISSN 2603:4794)
124. The non-existence of some quaternary codes of dimension 5, Proceedings of the XV International Conference on CSECS. Univ of Applied Science, Fulda, 2019, 53-58. (ISSN 2603:4794) (with A. Rousseva)
125. On arcs with a few consecutive intersection numbers, Proceedings of the XV International Conference on CSECS. Univ of Applied Science, Fulda, 2019, 59-61. (ISSN 2603:4794) (with A. Rousseva, L. Storme)
126. Linear codes close to the Griesmer bound and the related geometric structures, *Designs, Codes and Cryptography* **87**(4)(2019), 841-854. (with A. Rousseva) IF:**1.524**

127. Conditions for the existence of spreads in projective Hjelmslev spaces, *Designs, Codes and Cryptography* **87**(4)(2019), 785–794. (with N. Georgieva) IF:1.524
128. Divisible arcs, divisible codes and the extension problem for arcs and codes, *Problems of Information Transmission* **55**(3)(2019), 226-240. (with A. Rousseva) IF:0.557
129. On Linear Codes of Almost Constant Weight and the Related Arcs, *Comptes rendus, de l'Academie Bulgare des Sciences* **72**(12)(2019), 1626-1633. (with A. Rousseva, L. Storme) IF:0.321
130. Divisible arcs, divisible codes and the extension problem for arcs and codes, *Problems of Information Transmission* **55**(3)(2019), 226-240. (with A. Rousseva) IF:0.593
131. Codes related to caps and the non-existence of some Griesmer Codes, *Algebraic and Combinatorial Coding Theory (ACCT)2020*, 2020, pages:123-127.
doi:10.1109/ACCT51235.2020.9383359(with A. Rousseva)
132. New upper bounds on the maximal size of an arc in a projective Hjelmslev plane, 2020 *Algebraic and Combinatorial Coding Theory (ACCT)*, Albena, Bulgaria, 2020, pp. 1-10,
doi: 10.1109/ACCT51235.2020.9383345. (with Th. Honold and M. Kiermaier)
133. The Geometric Approach to the Existence of Some Quaternary Griesmer Codes, *Designs, Codes and Cryptography* **88**(9)(2020), 1925-1940.
doi:10.1007/s10623-020-00777-0, Zentralblatt(1453.94116) (with A. Rousseva) IF:1.492
134. A General Construction for Blocking Sets in Finite Affine Geometries, *Results in Mathematics* **75**(2020) #142, 1-12,
doi:10.1007/s00025-02-01269-2, WoS: Q2 (2020), Zentralblatt(1453.94116) (with A. Rousseva) IF:1.199
135. A stability result and a spectrum result on constant dimension codes, *Linear Algebra and its Applications* **621**(2021), 193–213.
<https://doi.org/10.1016/j.laa.2021.03.019> (with L. H. Lucas, L. Storme and P. Vandendriessche) IF:1.19
136. On the Maximal Cardinality of Binary Two-weight Codes, *Comptes rendus de l'Académie bulgare des Sciences* **74**(10)(2021), 1423-1430.(with A. Rousseva) IF:0.329
137. The Mathematical Aspects of Some Problems from Coding Theory, K. T. Atanassov (ed.), *Research in Computer Science in the Bulgarian Academy of Sciences, Studies in Computational Intelligence* 934, 2021, 261–286.
https://doi.org/10.1007/978-3-030-72284-5_13 (with P. Boyvalenkov)
138. Characterization of Some Minihypers in $PG(4,3)$, *Annuaire de l'Université de Sofia, Fac. Math et Inf.* **109**(2022), 91-98. (with E. Rogachev and A. Rousseva)
139. On homogeneous arcs and linear codes over finite chain rings, *AAECC* **34**(3)(2023), 359–376.

- <https://doi.org/10.1007/s00200-021-00501-y> (with Th. Honold) IF:**0.7**
140. On the p-rank of a projective Hjelmslev plane, Lecture Notes of the ICST vol. 514, 2023, 30–39,
<https://doi.org/10.1007/978-3-031-44668-9>.(With M. Bajalan and A. Rousseva)
141. Constructions of binary codes with two distances, *Discrete Mathematics* **346**(2023), 113337.
<https://doi.org/10.1016/j.disc.2023.113337> (with A. Rousseva and K. Vorobev) IF:**0.8**
142. Classification of $(3 \bmod 5)$ arcs in $\text{PG}(3,5)$, *Advances in Mathematics of Communications* **17**(1)(2023), 172-206.
doi:10.3934/amc.2021066 (with S. Kurz and A. Rousseva) IF: **0.9**
143. The geometry of $(t \bmod q)$ -arcs, *Designs, Codes and Cryptography*, 2024.
<https://doi.org/10.1007/s10623-023-01290-w> (with S. Kurz, F. Pavese and A. Rousseva) IF:**1.6**
144. Sperner’s theorem for non-free modules over finite chain rings, *Designs, Codes and Cryptography*, 2024.
<https://doi.org/10.1007/s10623-023-01352-z> (with E. Rogachev) IF:**1.6**

Научно-популярни и други публикации

1. За същността и функцията на електронния подпис, *Пазар и право* **6**(2001), 28–34. (съвместна със Стефка Атанасова).
2. Критика на закона за електронния документ и електронния подпис, *Пазар и право* **7**(2001), 11–19. (съвместна със Стефка Атанасова).
3. Удостоверяване на електронен подпис, *Пазар и право* **12**(2001), 20–26. (съвместна със Стефка Атанасова).
4. Биномни коефициенти, сб.: Подготовка за олимпиади (ред. С. Гроздев), Математическа библиотека, СМБ, София, 2002, 113–122.
5. Задачи по теория на числата, сб.: Подготовка за олимпиади No4 (ред. О. Мушкаров), Математическа библиотека, СМБ, София, 2003, 63–77.
6. Някои задачи по теория на числата, сб.: Подготовка за олимпиади No6 (ред. Е. Колев, Н. Николов), Математическа библиотека, СМБ, София, 2003, 63–77.
7. Задачи по комбинаторика, сб. Подготовка за олимпиади No7 (ред. Е. Колев, Н. Николов), Математическа библиотека, СМБ, София, 2005, 75–85.
8. Задачи по екстремална теория на множествата, Олимпийски теми, Американска Фондация за България, 2008, 35–44.
9. Задачи по екстремальной теории множеств, Задачи Санкт Петербургской Олимпиады школьников, 2008, 107–116.
10. Турнири, сп. Математика **2**(2008), 19–27.
11. Академик Стефан Додунеков (1945–2012), Доклади на 42-Пролетна конференция на СМБ, Боровец, 04.2013, 30–36. (Съвместно с А. Андреев, П. Кендеров)
12. Сто години от рождението на Пол Ердьош, Доклади на 42-Пролетна конференция на СМБ, Боровец, 04.2013, 30–36.
13. Werner Heise (1944-2013), *J. Geometry* **104**(2013), 401-407. (with Th. Honold, H.-J. Kroll, K. Sörensen)
14. Увод в теория на кодирането, Глава 10 в: **Основи на Информатиката**, Изд. на НБУ, 2017, 147–159. ISBN 978-954-535-983-5.
15. Превод и предговор към: **Алберт Айнщайн–Макс Борн. Кореспонденция (1916-1955)**. изд. “Изток-Запад”, 330 стр., 2018.
16. Превод на: Улинка Рублак, Астрономът и вещицата, изд. “Изток-Запад”, 346 стр., 2021.
17. Превод на: Ернст Юнгер, Бури от стомана, изд. “Изток-Запад”, 283 стр.

18. Иван Ланджев, Ася Русева, Аспекти на комбинаториката, Издателство на НБУ, 379 стр.
19. Grozio Stanilov (1933-2023), *J. Geometry* 115(2024) 8–10. (with A. Rousseva)
<https://doi.org/10.1007/s00022-023-00706-1>