

Списък на научните трудове за участие в конкурса
на
Цонка Стефанова Байчева

В списания с импакт фактор

1. T. Baicheva and E. Velikova, Covering radii of ternary linear codes of small dimensions and codimensions, *IEEE Trans. Inform. Theory*, vol. 43, pp. 2057-2061, 1997.
(IF 1.354, 9 цитирания)
2. T. Baicheva, The covering radius of ternary cyclic codes with length up to 25, *Designs, Codes and Cryptography*, vol.13, pp. 223-227, 1998.
(IF 0.618, 3 цитирания)
3. T. Baicheva, S. Dodunekov and P. Kazakov, On the cyclic redundancy-check codes with 8-bit redundancy, *Computer Communications*, vol. 21, pp. 1030-1033, 1998.
(IF 0.167, 19 цитирания)
4. P. Östergård, T. Baicheva and E. Kolev, Optimal Binary One-error-correcting Codes of Length 10 have 72 Codewords, *IEEE Trans. Inform. Theory*, vol. 45, No. 4, pp. 1229-1231, 1999.
(IF 2,009, 31 цитирания)
5. T. Baicheva, S. Dodunekov and P. Kazakov, On the Undetected Error Probability Performance of Cyclic Redundancy-Check Codes of 16-bit Redundancy, *IEE Proc. Communications*, vol. 147, No. 5, pp. 253-256, 2000.
(IF 0,226, 32 цитирания)
6. T. Baicheva, On the covering radius of ternary negacyclic codes with length up to 26, *IEEE Trans. on Inform. Theory*, vol. 47, No. 1, pp. 413-416, 2001.
(IF 2.077, 3 цитирания)
7. T. Baicheva, S. Dodunekov and R. Kötter, On the Performance of the Ternary [13,7,5] Quadratic-Residue Codes, *IEEE Trans. Inform. Theory*, vol. 48, No. 2, pp. 562-564, 2002.
(IF 2.045, 4 цитирания)
8. T. Baicheva and V. Varek, On the least covering radius of binary linear codes with small lengths, *IEEE Trans. on Inform. Theory*, vol. 49, No. 3, pp. 738-740, 2003.
(IF 2.245, 3 цитирания)

9. T. Baicheva, Determination of the best CRC codes with up to 10-bit redundancy, *IEEE Trans on Commun.*, vol. 56, issue 8, pp. 1214-1220, 2008.
(IF 2.07, 2 цитирания)
10. T. Baicheva, I. Bouyukliev, S. Dodunekov, and V. Fack, Binary and Ternary Quasi-perfect Codes with Small Dimensions, *IEEE Trans. on Inform. Theory*, vol. 54, issue 9, pp. 4335-4339, 2008.
(IF 3.793, 2 цитирания)
11. T. Baicheva and I. Bouyukliev, On the least covering radius of the binary linear codes of dimension 6, *Advances in Mathematics of Communications*, vol. 4, No 3, August, 2010, pp. 399-403.
(IF 0.544, 1 цитиране)
12. T. Baicheva and S. Topalova, Classification of optimal $(v,4,1)$ binary cyclically permutable constant weight codes and cyclic $S(2,4,v)$ designs with $v \leq 76$, *Problems of Information Transmission* vol. 47, No 3, September 2011, pp.224-231.
(IF 0.418 за 2010)
13. T. Baicheva, All binary linear codes of lengths up to 18 or redundancy up to 10 are normal, *Advances in Mathematics of Communications*, vol. 5, No 4, November 2011, pp. 681-686.
(IF 0.544 за 2010, 1 цитиране)
14. T. Baicheva and S. Topalova, Optimal $(v,4,2,1)$ optical orthogonal codes with small parameters, *Journal of Combinatorial Designs*, 20 (2), 2012, pp. 142-160.
(IF 0.662, 2 цитирания)

В международни списания

15. T. Baicheva and I. Gancheva, Ternary cyclic and negacyclic LUEP codes of lengths up to 26, *Mathematica Balkanica*, New Series vol. 18, pp. 79-80, 2004.
16. T. Baicheva, I. Boyukliev, S. Dodunekov and W. Willems, On the $[10,5,6]_9$ Reed-Solomon and Glynn codes, *Mathematica Balkanica*, New Series vol. 18, pp. 67-78, 2004.
(1 цитиране)
17. T. Baicheva, I. Boyukliev, S. Dodunekov and W. Willems, Teaching linear codes, *Mathematica Balkanica*, New Series vol. 19, pp. 3-16, 2005.
(3 цитирания)
18. T. Baicheva, On the error correcting performance of some binary and ternary linear codes, *Serdica, Journal of Computing*, vol.1, pp. 157-170, 2007.
19. T. Baicheva and F. Salam, CRC codes for error control, *Mathematica Balkanica*, New series vol. 21, Fasc. 3-4, pp. 377-388, 2007.

В сборници от международни конференции

20. T. Baicheva and E. Kolev, Binary codes of length eight, minimum distance three and twenty codewords, *Proc. of the International Workshop on Optimal Codes*, Sozopol, Bulgaria, pp. 5-8, 1998.
(2 цитирания)
21. T. Baicheva, The Newton radius of some binary and ternary cyclic codes, *Proc of the International Workshop on Algebraic and Combinatorial Coding Theory*, Tsarskoe Selo, Russia, pp. 18-21, 2002.
22. T. Baicheva and I. Boyukliev, On the ternary projective codes with dimensions 4 and 5, *Proc of the International Workshop on Algebraic and Combinatorial Coding Theory*, Kranevo, Bulgaria, pp. 34-39, 2004.
23. T. Baicheva and F. Sallam, On the error detection performance of some CRC codes, *Proc. of the workshop 'Mathematics, Informatics and Computer Sciences'*, Veliko Tarnovo, Bulgaria, pp. 107-110, 2006.
24. T. Baicheva and F. Sallam, Error control performance of CRC codes with up to 8 bit redundancy, *Proc. of the International Workshop on Algebraic and Combinatorial Coding Theory*, Zvenigorod, Russia, pp. 11-14, 2006.
25. T. Baicheva, Linear codes of good error control performance, *Enhancing cryptographic primitives with techniques from error correcting codes*, IOS Press, 2009, pp. 250-259.
26. T. Baicheva and S. Topalova, Classification of optimal $(v,4,1)$ optical orthogonal codes with $v \leq 76$, *Proc. of the International Workshop on Algebraic and Combinatorial Coding Theory*, Novosibirsk, Russia, pp. 26-30, 2010.