

Alev Topuzoglu

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

270
citations

1040056

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996975

15
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22
all docs

22
docs citations

22
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92
citing authors

#	ARTICLE	IF	CITATIONS
1	PSEUDORANDOM SEQUENCES. , 2006, , 135-166.		35
2	A nonlinear congruential pseudorandom number generator with power of two modulus. Mathematics of Computation, 1988, 51, 757-759.	2.1	33
3	On the cycle structure of permutation polynomials. Finite Fields and Their Applications, 2008, 14, 593-614.	1.0	31
4	A multiple recursive non-linear congruential pseudo random number generator. Manuscripta Mathematica, 1987, 59, 331-346.	0.6	29
5	Factorization of a class of polynomials over finite fields. Finite Fields and Their Applications, 2012, 18, 108-122.	1.0	24
6	On the Carlitz rank of permutation polynomials. Finite Fields and Their Applications, 2009, 15, 428-440.	1.0	21
7	The Carlitz rank of permutations of finite fields: A survey. Journal of Symbolic Computation, 2014, 64, 53-66.	0.8	14
8	Complete mappings and Carlitz rank. Designs, Codes, and Cryptography, 2017, 85, 121-128.	1.6	11
9	Quadratic functions with prescribed spectra. Designs, Codes, and Cryptography, 2013, 66, 257-273.	1.6	10
10	Enumeration of Quadratic Functions With Prescribed Walsh Spectrum. IEEE Transactions on Information Theory, 2014, 60, 6669-6680.	2.4	10
11	Permutations of finite fields with prescribed properties. Journal of Computational and Applied Mathematics, 2014, 259, 536-545.	2.0	10
12	On the linear complexity profile of nonlinear congruential pseudorandom number generators of higher orders. Applicable Algebra in Engineering, Communications and Computing, 2005, 16, 219-228.	0.5	8
13	On the Carlitz rank of permutations of F_q pseudorandom sequences. Journal of Complexity, 2014, 30, 279-289.	1.3	7
14	On the difference between permutation polynomials. Finite Fields and Their Applications, 2018, 49, 132-142.	1.0	7
15	Partially bent functions and their properties. , 0, , 22-38.		6
16	On the Discrepancy of Two Families of Permuted Van der Corput Sequences. Uniform Distribution Theory, 2018, 13, 47-64.	0.2	6
17	Idempotent and p-potent quadratic functions: distribution of nonlinearity and co-dimension. Designs, Codes, and Cryptography, 2017, 82, 265-291.	1.6	3
18	On the Inversive Pseudorandom Number Generator. , 2010, , 103-125.		2

#	ARTICLE	IF	CITATIONS
19	Spectra of a class of quadratic functions: Average behaviour and counting functions. <i>Cryptography and Communications</i> , 2016, 8, 191-214.	1.4	1
20	Permutation polynomials and factorization. <i>Cryptography and Communications</i> , 2020, 12, 913-934.	1.4	1
21	On the Carlitz Rank of Permutation Polynomials Over Finite Fields: Recent Developments. <i>Association for Women in Mathematics Series</i> , 2018, , 39-55.	0.4	1
22	Irreducible factors of a class of permutation polynomials. <i>Finite Fields and Their Applications</i> , 2020, 63, 101647.	1.0	0