Alev Topuzoglu

List of Publications by Year
in descending order

22 papers	270 citations	1040056 9 h-index	996975 15 g-index
22 all docs	22 docs citations	22 times ranked	92 citing authors

#	Article	IF	Citations
1	Permutation polynomials and factorization. Cryptography and Communications, 2020, 12, 913-934.	1.4	1
2	Irreducible factors of a class of permutation polynomials. Finite Fields and Their Applications, 2020, 63, 101647.	1.0	0
3	On the Carlitz Rank of Permutation Polynomials Over Finite Fields: Recent Developments. Association for Women in Mathematics Series, 2018, , 39-55.	0.4	1
4	On the difference between permutation polynomials. Finite Fields and Their Applications, 2018, 49, 132-142.	1.0	7
5	On the Discrepancy of Two Families of Permuted Van der Corput Sequences. Uniform Distribution Theory, 2018, 13, 47-64.	0.2	6
6	Idempotent and p-potent quadratic functions: distribution of nonlinearity and co-dimension. Designs, Codes, and Cryptography, 2017, 82, 265-291.	1.6	3
7	Complete mappings and Carlitz rank. Designs, Codes, and Cryptography, 2017, 85, 121-128.	1.6	11
8	Spectra of a class of quadratic functions: Average behaviour and counting functions. Cryptography and Communications, 2016, 8, 191-214.	1.4	1
9	On the Carlitz rank of permutations of $\mathbb{F}_q$ and pseudorandom sequences. Journal of Complexity, 2014, 30, 279-289.	1.3	7
10	Enumeration of Quadratic Functions With Prescribed Walsh Spectrum. IEEE Transactions on Information Theory, 2014, 60, 6669-6680.	2.4	10
11	The Carlitz rank of permutations of finite fields: A survey. Journal of Symbolic Computation, 2014, 64, 53-66.	0.8	14
12	Permutations of finite fields with prescribed properties. Journal of Computational and Applied Mathematics, 2014, 259, 536-545.	2.0	10
13	Quadratic functions with prescribed spectra. Designs, Codes, and Cryptography, 2013, 66, 257-273.	1.6	10
14	Factorization of a class of polynomials over finite fields. Finite Fields and Their Applications, 2012, 18, 108-122.	1.0	24
15	On the Inversive Pseudorandom Number Generator. , 2010, , 103-125.		2
16	On the Carlitz rank of permutation polynomials. Finite Fields and Their Applications, 2009, 15, 428-440.	1.0	21
17	On the cycle structure of permutation polynomials. Finite Fields and Their Applications, 2008, 14, 593-614.	1.0	31
18	PSEUDORANDOM SEQUENCES. , 2006, , 135-166.		35

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#	Article	IF	Citations
19	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
20	A nonlinear congruential pseudorandom number generator with power of two modulus. Mathematics of Computation, 1988, 51, 757-759.	2.1	33
21	A multiple recursive non-linear congruential pseudo random number generator. Manuscripta Mathematica, 1987, 59, 331-346.	0.6	29
22	Partially bent functions and their properties. , 0, , 22-38.		6