

Deng Tang

List of Publications by Year in descending order

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papers

414
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840776

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times ranked

169
citing authors

#	ARTICLE	IF	CITATIONS
1	A family of linear codes from constant dimension subspace codes. <i>Designs, Codes, and Cryptography</i> , 2022, 90, 1-15.	1.6	4
2	Further cryptographic properties of the multiplicative inverse function. <i>Discrete Applied Mathematics</i> , 2022, 307, 191-211.	0.9	3
3	More classes of permutation quadrinomials from Niho exponents in characteristic two. <i>Finite Fields and Their Applications</i> , 2022, 78, 101962.	1.0	10
4	Constructing New APN Functions Through Relative Trace Functions. <i>IEEE Transactions on Information Theory</i> , 2022, 68, 7528-7537.	2.4	8
5	Intrinsic Resiliency of S-Boxes Against Side-Channel Attacksâ€œBest and Worst Scenarios. <i>IEEE Transactions on Information Forensics and Security</i> , 2021, 16, 203-218.	6.9	9
6	Two classes of permutation trinomials with Niho exponents. <i>Finite Fields and Their Applications</i> , 2021, 70, 101790.	1.0	9
7	Constructing vectorial bent functions via second-order derivatives. <i>Discrete Mathematics</i> , 2021, 344, 112473.	0.7	5
8	Construction of balanced vectorial Boolean functions with almost optimal nonlinearity and very low differential-linear uniformity. <i>Finite Fields and Their Applications</i> , 2021, 76, 101903.	1.0	0
9	A new lower bound on the second-order nonlinearity of a class of monomial bent functions. <i>Cryptography and Communications</i> , 2020, 12, 77-83.	1.4	8
10	A note on the minimal binary linear code. <i>Cryptography and Communications</i> , 2020, 12, 375-388.	1.4	3
11	A Note on the Algebraic Immunity of the Enhanced Boolean Functions. <i>IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences</i> , 2020, E103.A, 366-369.	0.3	0
12	Constructions of optimal locally recoverable codes via Dickson polynomials. <i>Designs, Codes, and Cryptography</i> , 2020, 88, 1759-1780.	1.6	7
13	Improving lower bounds on the second-order nonlinearity of three classes of Boolean functions. <i>Discrete Mathematics</i> , 2020, 343, 111698.	0.7	4
14	Construction and search of balanced Boolean functions on even number of variables towards excellent autocorrelation profile. <i>Designs, Codes, and Cryptography</i> , 2019, 87, 261-276.	1.6	13
15	On the Construction of Balanced Boolean Functions with Strict Avalanche Criterion and Optimal Algebraic Immunity. <i>IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences</i> , 2019, E102.A, 1321-1325.	0.3	0
16	A family of weightwise (almost) perfectly balanced boolean functions with optimal algebraic immunity. <i>Cryptography and Communications</i> , 2019, 11, 1185-1197.	1.4	14
17	Modifying Maiorana-McFarland Type Bent Functions for Good Cryptographic Properties and Efficient Implementation. <i>SIAM Journal on Discrete Mathematics</i> , 2019, 33, 238-256.	0.8	9
18	Vectorial Boolean Functions with Very Low Differential-Linear Uniformity Using Maiorana-McFarland Type Construction. <i>Lecture Notes in Computer Science</i> , 2019, , 341-360.	1.3	2

#	ARTICLE	IF	CITATIONS
19	Translation Equivalence of Boolean Functions Expressed by Primitive Element. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2019, E102.A, 672-675.	0.3	9
20	On Searching Maximal-Period Dynamic LFSRs With at Most Four Switches. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2019, E102.A, 152-154.	0.3	1
21	Construction of n -Variable ($n \equiv 2 \pmod{4}$) Balanced Boolean Functions With Maximum Absolute Value in Autocorrelation Spectra. IEEE Transactions on Information Theory, 2018, 64, 393-402.	2.4	23
22	The weight distribution of a class of two-weight linear codes derived from Kloosterman sums. Cryptography and Communications, 2018, 10, 291-299.	1.4	12
23	A Lower Bound on the Second-Order Nonlinearity of the Generalized Maiorana-McFarland Boolean Functions. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2018, E101.A, 2397-2401.	0.3	7
24	Two Constructions of Semi-Bent Functions with Perfect Three-Level Additive Autocorrelation. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2018, E101.A, 2402-2404.	0.3	0
25	A Class of Distance-Optimal Binary Linear Codes With Flexible Parameters. IEEE Communications Letters, 2017, 21, 1893-1896.	4.1	3
26	Binary linear codes from vectorial boolean functions and their weight distribution. Discrete Mathematics, 2017, 340, 3055-3072.	0.7	13
27	Construction of Highly Nonlinear 1-Resilient Boolean Functions with Optimal Algebraic Immunity and Provably High Fast Algebraic Immunity. IEEE Transactions on Information Theory, 2017, , 1-1.	2.4	14
28	Semi-bent functions with perfect three-level additive autocorrelation. , 2017, , .		1
29	A lower bound on the second-order nonlinearity of the class of Maiorana-McFarland bent functions. , 2017, , .		0
30	A Family of at Least Almost Optimal p -Ary Cyclic Codes. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2017, E100.A, 2048-2051.	0.3	2
31	The Exact Fast Algebraic Immunity of Two Subclasses of the Majority Function. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2016, E99.A, 2084-2088.	0.3	11
32	Cryptographic properties of monotone Boolean functions. Journal of Mathematical Cryptology, 2016, 10, 1-14.	0.7	8
33	Differentially 4-uniform bijections by permuting the inverse function. Designs, Codes, and Cryptography, 2015, 77, 117-141.	1.6	52
34	Enhanced Boolean functions suitable for the filter model of pseudo-random generator. Designs, Codes, and Cryptography, 2015, 76, 571-587.	1.6	9
35	A CLASS OF 1-RESILIENT BOOLEAN FUNCTIONS WITH OPTIMAL ALGEBRAIC IMMUNITY AND GOOD BEHAVIOR AGAINST FAST ALGEBRAIC ATTACKS. International Journal of Foundations of Computer Science, 2014, 25, 763-780.	1.1	11
36	Construction of highly nonlinear resilient Boolean functions satisfying strict avalanche criterion. Science China Information Sciences, 2014, 57, 1-6.	4.3	9

#	ARTICLE	IF	CITATIONS
37	Construction of balanced Boolean functions with high nonlinearity and good autocorrelation properties. <i>Designs, Codes, and Cryptography</i> , 2013, 67, 77-91.	1.6	18
38	Highly Nonlinear Boolean Functions With Optimal Algebraic Immunity and Good Behavior Against Fast Algebraic Attacks. <i>IEEE Transactions on Information Theory</i> , 2013, 59, 653-664.	2.4	79
39	On the second-order nonlinearities of some bent functions. <i>Information Sciences</i> , 2013, 223, 322-330.	6.9	16
40	The second-order zero differential spectra of almost perfect nonlinear functions and the inverse function in odd characteristic. <i>Cryptography and Communications</i> , 0, , 1.	1.4	0