Chunming Tang

List of Publications by Year
in descending order

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55 papers	1,005 citations	430754 18 h-index	477173 29 g-index
56 all docs	56 docs citations	56 times ranked	281 citing authors

#	Article	IF	Citations
1	Linear Codes With Two or Three Weights From Weakly Regular Bent Functions. IEEE Transactions on Information Theory, 2016, 62, 1166-1176.	1.5	115
2	Linear Codes Over $mathbb F_q$ Are Equivalent to LCD Codes for $q>3$. IEEE Transactions on Information Theory, 2018, 64, 3010-3017.	1.5	114
3	Euclidean and Hermitian LCD MDS codes. Designs, Codes, and Cryptography, 2018, 86, 2605-2618.	1.0	75
4	Complementary Dual Algebraic Geometry Codes. IEEE Transactions on Information Theory, 2018, 64, 2390-2397.	1.5	45
5	New Characterization and Parametrization of LCD Codes. IEEE Transactions on Information Theory, 2019, 65, 39-49.	1.5	40
6	Binary LCD Codes and Self-Orthogonal Codes From a Generic Construction. IEEE Transactions on Information Theory, 2019, 65, 16-27.	1.5	38
7	Infinite Families of Near MDS Codes Holding t-Designs. IEEE Transactions on Information Theory, 2020, 66, 5419-5428.	1.5	38
8	An Infinite Family of Linear Codes Supporting 4-Designs. IEEE Transactions on Information Theory, 2021, 67, 244-254.	1.5	36
9	Two-Weight and Three-Weight Linear Codes From Square Functions. IEEE Communications Letters, 2016, 20, 29-32.	2.5	35
10	On $sigma$ -LCD Codes. IEEE Transactions on Information Theory, 2019, 65, 1694-1704.	1.5	29
11	Improving the maximum transmission distance of four-state continuous-variable quantum key distribution by using a noiseless linear amplifier. Physical Review A, 2013, 87, .	1.0	28
12	Complete Characterization of Generalized Bent and 2^k-Bent Boolean Functions. IEEE Transactions on Information Theory, 2017, 63, 4668-4674.	1.5	26
13	Generic Construction of Bent Functions and Bent Idempotents With Any Possible Algebraic Degrees. IEEE Transactions on Information Theory, 2017, 63, 6149-6157.	1.5	25
14	Codes, Differentially $delta$ -Uniform Functions, and t -Designs. IEEE Transactions on Information Theory, 2020, 66, 3691-3703.	1.5	25
15	On the boomerang uniformity of quadratic permutations. Designs, Codes, and Cryptography, 2020, 88, 2233-2246.	1.0	25
16	Minimal Linear Codes From Characteristic Functions. IEEE Transactions on Information Theory, 2020, 66, 5404-5413.	1.5	25
17	Full Characterization of Minimal Linear Codes as Cutting Blocking Sets. IEEE Transactions on Information Theory, 2021, 67, 3690-3700.	1.5	25
18	Linear codes with few weights from inhomogeneous quadratic functions. Designs, Codes, and Cryptography, 2017, 83, 691-714.	1.0	23

#	Article	IF	Citations
19	Steiner systems $$S(2, 4, rac{3^m-1}{2})$$ and 2-designs from ternary linear codes of length $$rac{3^m-1}{2}$$. Designs, Codes, and Cryptography, 2019, 87, 2793-2811.	1.0	20
20	Further Results on Generalized Bent Functions and Their Complete Characterization. IEEE Transactions on Information Theory, 2018, 64, 5441-5452.	1.5	18
21	Generalized Plateaued Functions and Admissible (Plateaued) Functions. IEEE Transactions on Information Theory, 2017, 63, 6139-6148.	1.5	13
22	Binary Linear Codes With Few Weights. IEEE Communications Letters, 2016, 20, 208-211.	2.5	12
23	Shortened Linear Codes Over Finite Fields. IEEE Transactions on Information Theory, 2021, 67, 5119-5132.	1.5	11
24	Infinite families of 3â€designs from APN functions. Journal of Combinatorial Designs, 2020, 28, 97-117.	0.3	10
25	Infinite families of 2-designs from linear codes. Applicable Algebra in Engineering, Communications and Computing, 2022, 33, 193-211.	0.3	10
26	Further study on the maximum number of bent components of vectorial functions. Designs, Codes, and Cryptography, 2019, 87, 2597-2610.	1.0	9
27	Combinatorial t-designs from special functions. Cryptography and Communications, 2020, 12, 1011-1033.	0.9	9
28	Linear codes of 2-designs associated with subcodes of the ternary generalized Reedâ€“Muller codes. Designs, Codes, and Cryptography, 2020, 88, 625-641.	1.0	8
29	The linear codes of t-designs held in the Reed-Muller and Simplex codes. Cryptography and Communications, 2021, 13, 927-949.	0.9	8
30	Infinite families of 2-designs from two classes of binary cyclic codes with three nonzeros. Advances in Mathematics of Communications, 2022, 16, 157.	0.4	8
31	A note on cyclic codes from APN functions. Applicable Algebra in Engineering, Communications and Computing, 2014, 25, 21-37.	0.3	7
32	A class of linear codes with a few weights. Cryptography and Communications, 2017, 9, 93-116.	0.9	7
33	A class of narrow-sense BCH codes over $$mathbb {F}_q$$ of length $$rac{q^m-1}{2}$$. Designs, Codes, and Cryptography, 2020, 88, 413-427.	1.0	7
34	The projective general linear group $${mathrm {PGL}}(2,2^m)$$ and linear codes of length $$2^m+1$$. Designs, Codes, and Cryptography, 2021, 89, 1713-1734.	1.0	7
35	On Infinite Families of Narrow-Sense Antiprimitive BCH Codes Admitting 3-Transitive Automorphism Groups and Their Consequences. IEEE Transactions on Information Theory, 2022, 68, 3096-3107.	1.5	7
36	Constructing vectorial Boolean functions with high algebraic immunity based on group decomposition. International Journal of Computer Mathematics, 2015, 92, 451-462.	1.0	6

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37	Shortened Linear Codes From APN and PN Functions. IEEE Transactions on Information Theory, 2022, 68, 3780-3795.	1.5	5
38	An infinite family of antiprimitive cyclic codes supporting Steiner systems $$S(3,8, 7^m+1)$$. Designs, Codes, and Cryptography, 2022, 90, 1319-1333.	1.0	5
39	2-Correcting Lee Codes: (Quasi)-Perfect Spectral Conditions and Some Constructions. IEEE Transactions on Information Theory, 2018, 64, 3031-3041.	1.5	4
40	On the Menezes-Teske-Weng conjecture. Cryptography and Communications, 2020, 12, 19-27.	0.9	4
41	Implementing optimized pairings with elliptic nets. Science China Information Sciences, 2014, 57, 1-10.	2.7	3
42	New quadratic bent functions in polynomial forms with coefficients in extension fields. Applicable Algebra in Engineering, Communications and Computing, 2019, 30, 333-347.	0.3	3
43	New characterizations and construction methods of bent and hyper-bent Boolean functions. Discrete Mathematics, 2020, 343, 112081.	0.4	3
44	Fast Algebraic Immunity of Boolean Functions and LCD Codes. IEEE Transactions on Information Theory, 2021, 67, 4828-4837.	1.5	3
45	A Novel Application of Boolean Functions With High Algebraic Immunity in Minimal Codes. IEEE Transactions on Information Theory, 2021, 67, 6856-6867.	1.5	3
46	The Subfield Codes and Subfield Subcodes of a Family of MDS Codes. IEEE Transactions on Information Theory, 2022, 68, 5792-5801.	1.5	3
47	Special values of Kloosterman sums and binomial bent functions. Finite Fields and Their Applications, 2016, 41, 113-131.	0.6	2
48	Two classes of linear codes and their weight distributions. Applicable Algebra in Engineering, Communications and Computing, 2018, 29, 209-225.	0.3	2
49	Cyclic Bent Functions and Their Applications in Sequences. IEEE Transactions on Information Theory, 2021, 67, 3473-3485.	1.5	2
50	Cryptography on twisted Edwards curves over local fields. Science China Information Sciences, 2015, 58, 1-15.	2.7	1
51	A class of hyper-bent functions and Kloosterman sums. Cryptography and Communications, 2017, 9, 647-664.	0.9	1
52	Two infinite classes of rotation symmetric bent functions with simple representation. Applicable Algebra in Engineering, Communications and Computing, 2018, 29, 197-208.	0.3	1
53	Explicit characterization of two classes of regular bent functions. Applicable Algebra in Engineering, Communications and Computing, 2018, 29, 529-544.	0.3	1
54	Regular p-ary bent functions with five terms and Kloosterman sums. Cryptography and Communications, 2019, 11, 1133-1144.	0.9	1

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55	Infinite families of $ 3 $-designs from o-polynomials. Advances in Mathematics of Communications, 2021, 15, 557.	0.4	1