

Chunming Tang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Infinite families of 2-designs from linear codes. <i>Applicable Algebra in Engineering, Communications and Computing</i> , 2022, 33, 193-211.	0.3	10
2	Infinite families of 2-designs from two classes of binary cyclic codes with three nonzeros. <i>Advances in Mathematics of Communications</i> , 2022, 16, 157.	0.4	8
3	On Infinite Families of Narrow-Sense Antiprimitive BCH Codes Admitting 3-Transitive Automorphism Groups and Their Consequences. <i>IEEE Transactions on Information Theory</i> , 2022, 68, 3096-3107.	1.5	7
4	Shortened Linear Codes From APN and PN Functions. <i>IEEE Transactions on Information Theory</i> , 2022, 68, 3780-3795.	1.5	5
5	The Subfield Codes and Subfield Subcodes of a Family of MDS Codes. <i>IEEE Transactions on Information Theory</i> , 2022, 68, 5792-5801.	1.5	3
6	An infinite family of antiprimitive cyclic codes supporting Steiner systems $S(3,8,7^{m+1})$. <i>Designs, Codes, and Cryptography</i> , 2022, 90, 1319-1333.	1.0	5
7	An Infinite Family of Linear Codes Supporting 4-Designs. <i>IEEE Transactions on Information Theory</i> , 2021, 67, 244-254.	1.5	36
8	The linear codes of t-designs held in the Reed-Muller and Simplex codes. <i>Cryptography and Communications</i> , 2021, 13, 927-949.	0.9	8
9	The projective general linear group $\mathrm{PGL}(2,2^m)$ and linear codes of length 2^{m+1} . <i>Designs, Codes, and Cryptography</i> , 2021, 89, 1713-1734.	1.0	7
10	Cyclic Bent Functions and Their Applications in Sequences. <i>IEEE Transactions on Information Theory</i> , 2021, 67, 3473-3485.	1.5	2
11	Full Characterization of Minimal Linear Codes as Cutting Blocking Sets. <i>IEEE Transactions on Information Theory</i> , 2021, 67, 3690-3700.	1.5	25
12	Fast Algebraic Immunity of Boolean Functions and LCD Codes. <i>IEEE Transactions on Information Theory</i> , 2021, 67, 4828-4837.	1.5	3
13	Shortened Linear Codes Over Finite Fields. <i>IEEE Transactions on Information Theory</i> , 2021, 67, 5119-5132.	1.5	11
14	A Novel Application of Boolean Functions With High Algebraic Immunity in Minimal Codes. <i>IEEE Transactions on Information Theory</i> , 2021, 67, 6856-6867.	1.5	3
15	Infinite families of 3-designs from o-polynomials. <i>Advances in Mathematics of Communications</i> , 2021, 15, 557.	0.4	1
16	On the Menezes-Teske-Weng conjecture. <i>Cryptography and Communications</i> , 2020, 12, 19-27.	0.9	4
17	A class of narrow-sense BCH codes over \mathbb{F}_q of length $\frac{q^m-1}{2}$. <i>Designs, Codes, and Cryptography</i> , 2020, 88, 413-427.	1.0	7
18	Codes, Differentially δ -Uniform Functions, and t -Designs. <i>IEEE Transactions on Information Theory</i> , 2020, 66, 3691-3703.	1.5	25

#	ARTICLE	IF	CITATIONS
19	Infinite families of 3-designs from APN functions. <i>Journal of Combinatorial Designs</i> , 2020, 28, 97-117.	0.3	10
20	Linear codes of 2-designs associated with subcodes of the ternary generalized Reed-Muller codes. <i>Designs, Codes, and Cryptography</i> , 2020, 88, 625-641.	1.0	8
21	New characterizations and construction methods of bent and hyper-bent Boolean functions. <i>Discrete Mathematics</i> , 2020, 343, 112081.	0.4	3
22	On the boomerang uniformity of quadratic permutations. <i>Designs, Codes, and Cryptography</i> , 2020, 88, 2233-2246.	1.0	25
23	Minimal Linear Codes From Characteristic Functions. <i>IEEE Transactions on Information Theory</i> , 2020, 66, 5404-5413.	1.5	25
24	Combinatorial t-designs from special functions. <i>Cryptography and Communications</i> , 2020, 12, 1011-1033.	0.9	9
25	Infinite Families of Near MDS Codes Holding t -Designs. <i>IEEE Transactions on Information Theory</i> , 2020, 66, 5419-5428.	1.5	38
26	New Characterization and Parametrization of LCD Codes. <i>IEEE Transactions on Information Theory</i> , 2019, 65, 39-49.	1.5	40
27	Binary LCD Codes and Self-Orthogonal Codes From a Generic Construction. <i>IEEE Transactions on Information Theory</i> , 2019, 65, 16-27.	1.5	38
28	Regular p -ary bent functions with five terms and Kloosterman sums. <i>Cryptography and Communications</i> , 2019, 11, 1133-1144.	0.9	1
29	Steiner systems $S(2, 4, \frac{3^m-1}{2})$ and 2-designs from ternary linear codes of length $\frac{3^m-1}{2}$. <i>Designs, Codes, and Cryptography</i> , 2019, 87, 2793-2811.	1.0	20
30	Further study on the maximum number of bent components of vectorial functions. <i>Designs, Codes, and Cryptography</i> , 2019, 87, 2597-2610.	1.0	9
31	New quadratic bent functions in polynomial forms with coefficients in extension fields. <i>Applicable Algebra in Engineering, Communications and Computing</i> , 2019, 30, 333-347.	0.3	3
32	On σ -LCD Codes. <i>IEEE Transactions on Information Theory</i> , 2019, 65, 1694-1704.	1.5	29
33	Euclidean and Hermitian LCD MDS codes. <i>Designs, Codes, and Cryptography</i> , 2018, 86, 2605-2618.	1.0	75
34	Linear Codes Over \mathbb{F}_q Are Equivalent to LCD Codes for $q \geq 3$. <i>IEEE Transactions on Information Theory</i> , 2018, 64, 3010-3017.	1.5	114
35	Complementary Dual Algebraic Geometry Codes. <i>IEEE Transactions on Information Theory</i> , 2018, 64, 2390-2397.	1.5	45
36	2-Correcting Lee Codes: (Quasi)-Perfect Spectral Conditions and Some Constructions. <i>IEEE Transactions on Information Theory</i> , 2018, 64, 3031-3041.	1.5	4

#	ARTICLE	IF	CITATIONS
37	Two infinite classes of rotation symmetric bent functions with simple representation. <i>Applicable Algebra in Engineering, Communications and Computing</i> , 2018, 29, 197-208.	0.3	1
38	Two classes of linear codes and their weight distributions. <i>Applicable Algebra in Engineering, Communications and Computing</i> , 2018, 29, 209-225.	0.3	2
39	Further Results on Generalized Bent Functions and Their Complete Characterization. <i>IEEE Transactions on Information Theory</i> , 2018, 64, 5441-5452.	1.5	18
40	Explicit characterization of two classes of regular bent functions. <i>Applicable Algebra in Engineering, Communications and Computing</i> , 2018, 29, 529-544.	0.3	1
41	Generalized Plateaued Functions and Admissible (Plateaued) Functions. <i>IEEE Transactions on Information Theory</i> , 2017, 63, 6139-6148.	1.5	13
42	Complete Characterization of Generalized Bent and 2^k -Bent Boolean Functions. <i>IEEE Transactions on Information Theory</i> , 2017, 63, 4668-4674.	1.5	26
43	A class of hyper-bent functions and Kloosterman sums. <i>Cryptography and Communications</i> , 2017, 9, 647-664.	0.9	1
44	Generic Construction of Bent Functions and Bent Idempotents With Any Possible Algebraic Degrees. <i>IEEE Transactions on Information Theory</i> , 2017, 63, 6149-6157.	1.5	25
45	Linear codes with few weights from inhomogeneous quadratic functions. <i>Designs, Codes, and Cryptography</i> , 2017, 83, 691-714.	1.0	23
46	A class of linear codes with a few weights. <i>Cryptography and Communications</i> , 2017, 9, 93-116.	0.9	7
47	Special values of Kloosterman sums and binomial bent functions. <i>Finite Fields and Their Applications</i> , 2016, 41, 113-131.	0.6	2
48	Linear Codes With Two or Three Weights From Weakly Regular Bent Functions. <i>IEEE Transactions on Information Theory</i> , 2016, 62, 1166-1176.	1.5	115
49	Binary Linear Codes With Few Weights. <i>IEEE Communications Letters</i> , 2016, 20, 208-211.	2.5	12
50	Two-Weight and Three-Weight Linear Codes From Square Functions. <i>IEEE Communications Letters</i> , 2016, 20, 29-32.	2.5	35
51	Constructing vectorial Boolean functions with high algebraic immunity based on group decomposition. <i>International Journal of Computer Mathematics</i> , 2015, 92, 451-462.	1.0	6
52	Cryptography on twisted Edwards curves over local fields. <i>Science China Information Sciences</i> , 2015, 58, 1-15.	2.7	1
53	Implementing optimized pairings with elliptic nets. <i>Science China Information Sciences</i> , 2014, 57, 1-10.	2.7	3
54	A note on cyclic codes from APN functions. <i>Applicable Algebra in Engineering, Communications and Computing</i> , 2014, 25, 21-37.	0.3	7

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55	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