Tao Feng

List of Publications by Year
in descending order

50 papers	666 citations	623734 14 h-index	580821 25 g-index
50 all docs	50 docs citations	50 times ranked	250 citing authors

#	Article	IF	Citations
1	A Generic Construction of Complex Codebooks Meeting the Welch Bound. IEEE Transactions on Information Theory, 2007, 53, 4245-4250.	2.4	106
2	Strongly regular graphs associated with ternary bent functions. Journal of Combinatorial Theory - Series A, 2010, 117, 668-682.	0.8	73
3	On cyclic codes of length $${2^{2^r}-1}$$ with two zeros whose dual codes have three weights. Designs, Codes, and Cryptography, 2012, 62, 253-258.	1.6	66
4	Association schemes arising from bent functions. Designs, Codes, and Cryptography, 2011, 59, 319-331.	1.6	38
5	Codebooks from almost difference sets. Designs, Codes, and Cryptography, 2008, 46, 113-126.	1.6	33
6	Some new results on permutation polynomials over finite fields. Designs, Codes, and Cryptography, 2017, 83, 425-443.	1.6	31
7	Strongly regular graphs from unions of cyclotomic classes. Journal of Combinatorial Theory Series B, 2012, 102, 982-995.	1.0	28
8	Cyclotomic constructions of skew Hadamard difference sets. Journal of Combinatorial Theory - Series A, 2012, 119, 245-256.	0.8	28
9	Cameronâ€“Liebler line classes with parameter <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi>x</mml:mi><mml:mo>=</mml:mo><mml:mfrac><mml:mrow><mml:msup><mml:mrow><mml:mi>q</mml:mi> Journal of Combinatorial Theory - Series A, 2015, 133, 307-338.	0.8	27
10	Query-Efficient Locally Decodable Codes of Subexponential Length. Computational Complexity, 2013, 22, 159-189.	0.3	24
11	Some New Results on the Cross Correlation of <inline-formula> <tex-math notation="TeX">m </tex-math></inline-formula>-Sequences. IEEE Transactions on Information Theory, 2014, 60, 3062-3068.	2.4	23
12	The Weight Distribution of a Class of Cyclic Codes Related to Hermitian Forms Graphs. IEEE Transactions on Information Theory, 2013, 59, 3064-3067.	2.4	22
13	On the Weight Distribution of Cyclic Codes With Niho Exponents. IEEE Transactions on Information Theory, 2014, 60, 3903-3912.	2.4	15
14	Evaluation of the Weight Distribution of a Class of Cyclic Codes Based on Index 2 Gauss Sums. IEEE Transactions on Information Theory, 2013, 59, 5980-5984.	2.4	14
15	Constructions of strongly regular Cayley graphs and skew Hadamard difference sets from cyclotomic classes. Combinatorica, 2015, 35, 413-434.	1.2	14
16	Binary cyclic codes with two primitive nonzeros. Science China Mathematics, 2013, 56, 1403-1412.	1.7	13
17	Non-abelian skew Hadamard difference sets fixed by a prescribed automorphism. Journal of Combinatorial Theory - Series A, 2011, 118, 27-36.	0.8	12
18	New constructions of large cyclic subspace codes and Sidon spaces. Discrete Mathematics, 2021, 344, 112273.	0.7	12

#	Article	IF	Citations
19	New pseudo-planar binomials in characteristic two and related schemes. Designs, Codes, and Cryptography, 2015, 76, 345-360.	1.6	7
20	A family of m-ovoids of parabolic quadrics. Journal of Combinatorial Theory - Series A, 2016, 140, 97-111.	0.8	7
21	Pseudocyclic and non-amorphic fusion schemes of the cyclotomic association schemes. Designs, Codes, and Cryptography, 2012, 65, 247-257.	1.6	6
22	Cameron-Liebler line classes with parameter <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:mi>x</mml:mi><mml:mo linebreak="goodbreak" linebreakstyle="after">=</mml:mo><mml:mfrac><mml:mrow><mml:msup><mml:mrow><mml:mo stretchy="false">(</mml:mo><mml:mi>q</mml:mi><mml:mo linebreak="badbreak") Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 607 Td (lineb	1.1	6
23	Semi-regular relative difference sets with large forbidden subgroups. Journal of Combinatorial Theory - Series A, 2008, 115, 1456-1473.	0.8	5
24	A new construction of perfect nonlinear functions using Galois rings. Journal of Combinatorial Designs, 2009, 17, 229-239.	0.6	5
25	Relative (pn,p,pn,n)-difference sets withÂGCD(p,n)=1. Journal of Algebraic Combinatorics, 2009, 29, 91-106.	0.8	5
26	A Characterization of Two-Weight Projective Cyclic Codes. IEEE Transactions on Information Theory, 2015, 61, 66-71.	2.4	5
27	Exterior algebras and two conjectures on finite abelian groups. Israel Journal of Mathematics, 2011, 182, 425-437.	0.8	4
28	The Shift Bound for Abelian Codes and Generalizations of the Donoho-Stark Uncertainty Principle. IEEE Transactions on Information Theory, 2019, 65, 4673-4682.	2.4	4
29	On m-ovoids of symplectic polar spaces. Journal of Combinatorial Theory - Series A, 2020, 175, 105279.	0.8	4
30	A Construction of Minimal Linear Codes From Partial Difference Sets. IEEE Transactions on Information Theory, 2021, 67, 3724-3734.	2.4	4
31	On self-orthogonal group ring codes. Designs, Codes, and Cryptography, 2009, 50, 203-214.	1.6	3
32	Three-class association schemes from cyclotomy. Journal of Combinatorial Theory - Series A, 2013, 120, 1202-1215.	0.8	3
33	An infinite family of m-ovoids of Q(4,q). Finite Fields and Their Applications, 2020, 63, 101644.	1.0	3
34	Difference sets with nÂ=Â5 p r. Designs, Codes, and Cryptography, 2009, 51, 175-194.	1.6	2
35	Three-valued Gauss periods, circulant weighing matrices and association schemes. Journal of Algebraic Combinatorics, 2016, 43, 851-875.	0.8	2
36	On the existence of Oâ€™Nan configurations in ovoidal Buekenhoutâ€“Metz unitals in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e111" altimg="si2.svg"><mml:mtext>PG</mml:mtext><mml:mrow><mml:mo>(</mml:mo><mml:mn>2</mml:mn><mml:mo>,</mml:mo><mm Discrete Mathematics, 2019, 342, 2324-2332.	0.7	2

#	Article	IF	Citations
37	Abelian and non-abelian Paley type group schemes. Designs, Codes, and Cryptography, 2013, 68, 141-154.	1.6	1
38	Hadamard difference sets related to Lander's conjecture. Journal of Algebra, 2014, 403, 29-47.	0.7	1
39	On homogeneous planar functions. Finite Fields and Their Applications, 2015, 31, 121-136.	1.0	1
40	Paley type sets from cyclotomic classes and Arasuâ€“Dillonâ€“Player difference sets. Designs, Codes, and Cryptography, 2015, 74, 581-600.	1.6	1
41	Nonsymmetric primitive translation schemes of prime power order. Journal of Algebraic Combinatorics, 2015, 41, 1-20.	0.8	1
42	On the isotopism classes of the Budaghyanâ€“Helleseth commutative semifields. Finite Fields and Their Applications, 2018, 53, 175-188.	1.0	1
43	Partial difference sets and amorphic Cayley schemes in nonâ€abelian 2â€groups. Journal of Combinatorial Designs, 2020, 28, 273-293.	0.6	1
44	The point regular automorphism groups of the Payne derived quadrangle of W(q). Journal of Combinatorial Theory - Series A, 2021, 179, 105384.	0.8	1
45	On Transitive Ovoids of Finite Hermitian Polar Spaces. Combinatorica, 2021, 41, 645-667.	1.2	1
46	On the Existence of Certain Optimal Self-Dual Codes with Lengths Between 74 and 116. Electronic Journal of Combinatorics, 2015, 22, .	0.4	1
47	Association schemes related to Delsarteâ€“Goethals codes. Journal of Algebraic Combinatorics, 2014, 40, 601-631.	0.8	0
48	Difference sets with few character values. Designs, Codes, and Cryptography, 2014, 73, 825-839.	1.6	0
49	Finite flag-transitive affine planes with a solvable automorphism group. Journal of Combinatorial Theory - Series A, 2017, 152, 225-254.	0.8	0
50	On codes in the projective linear group PGL(2,q). Finite Fields and Their Applications, 2021, 75, 101812.	1.0	0