Xiong, Maosheng

List of Publications by Year
in descending order

		687363	713466
50	527	13	21
papers	citations	h-index	g-index
50	50	50	179
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A note on "Cryptographically strong permutations from the butterfly structure" Designs, Codes, and Cryptography, 2022, 90, 265-276.	1.6	7
2	The Differential Spectrum of the Power Mapping x^{p^n-3}. IEEE Transactions on Information Theory, 2022, 68, 5535-5547.	2.4	7
3	Convergence Rate of Empirical Spectral Distribution of Random Matrices From Linear Codes. IEEE Transactions on Information Theory, 2021, 67, 1080-1087.	2.4	0
4	Cyclic Bent Functions and Their Applications in Sequences. IEEE Transactions on Information Theory, 2021, 67, 3473-3485.	2.4	2
5	On Permutation Quadrinomials and 4-Uniform BCT. IEEE Transactions on Information Theory, 2021, 67, 4845-4855.	2.4	14
6	On Cyclic Codes of Composite Length and the Minimum Distance II. IEEE Transactions on Information Theory, 2021, 67, 5097-5103.	2.4	5
7	Codes, Differentially δ-Uniform Functions, and t-Designs. IEEE Transactions on Information Theory, 2020, 66, 3691-3703.	2.4	25
8	On the boomerang uniformity of quadratic permutations. Designs, Codes, and Cryptography, 2020, 88, 2233-2246.	1.6	25
9	On the Complete Weight Distribution of Subfield Subcodes of Algebraic-Geometric Codes. IEEE Transactions on Information Theory, 2019, 65, 7079-7086.	2.4	2
10	Random Matrices From Linear Codes and Wigner's Semicircle Law. IEEE Transactions on Information Theory, 2019, 65, 6001-6009.	2.4	3
11	Steiner systems $S(2, 4, \frac{3^m-1}{2})$ and 2-designs from ternary linear codes of length $\frac{3^m-1}{2}$. Designs, Codes, and Cryptography, 2019, 87, 2793-2811.	1.6	20
12	Random Matrices from Linear Codes and Wigner's Semicircle Law II. , 2019, , .		2
13	On a conjecture of differentially 8-uniform power functions. Designs, Codes, and Cryptography, 2018, 86, 1601-1621.	1.6	20
14	On Cyclic Codes of Composite Length and the Minimum Distance. IEEE Transactions on Information Theory, 2018, 64, 6305-6314.	2.4	6
15	A note on the differential spectrum of a differentially 4-uniform power function. Finite Fields and Their Applications, 2017, 48, 117-125.	1.0	22
16	Narrow-Sense BCH Codes Over ${\mathrm{GF}}(q)$ With Length $n=\frac{q^{m}-1}{q-1}$. IEEE Transactions on Information Theory, 2017, 63, 7219-7236.	2.4	38
17	The Weight Hierarchy of Some Reducible Cyclic Codes. IEEE Transactions on Information Theory, 2016, 62, 4071-4080.	2.4	14
18	Construction of Partial-Unit-Memory MDS Convolutional Codes. IEEE Transactions on Information Theory, 2016, 62, 5375-5384.	2.4	2

#	Article	IF	Citations
19	Weight distribution of cyclic codes with arbitrary number of generalized Niho type zeroes. Designs, Codes, and Cryptography, 2016, 78, 713-730.	1.6	9
20	Pseudo-cyclic Codes and the Construction of Quantum MDS Codes. IEEE Transactions on Information Theory, 2016, 62, 1703-1710.	2.4	27
21	ON POSITIVE PROPORTION OF RANK-ZERO TWISTS OF ELLIPTIC CURVES OVER. Journal of the Australian Mathematical Society, 2015, 98, 281-288.	0.4	0
22	Weight distributions of a class of cyclic codes with arbitrary number of nonzeros in quadratic case. Finite Fields and Their Applications, 2015, 36, 41-62.	1.0	3
23	Optimal Cyclic Codes With Generalized Niho-Type Zeros and the Weight Distribution. IEEE Transactions on Information Theory, 2015, 61, 4914-4922.	2.4	11
24	Distribution of zeta zeroes for abelian covers of algebraic curves over a finite field. Journal of Number Theory, 2015, 147, 789-823.	0.4	3
25	Three New Families of Zero-Difference Balanced Functions With Applications. IEEE Transactions on Information Theory, 2014, 60, 2407-2413.	2.4	24
26	On a Question of Babadi and Tarokh. IEEE Transactions on Information Theory, 2014, 60, 7355-7367.	2.4	5
27	The weight distributions of a class of cyclic codes II. Designs, Codes, and Cryptography, 2014, 72, 511-528.	1.6	25
28	The weight distributions of a class of cyclic codes III. Finite Fields and Their Applications, 2013, 21, 84-96.	1.0	22
29	Unit time-phase signal sets: Bounds and constructions. Cryptography and Communications, 2013, 5, 209-227.	1.4	5
30	ON SELMER GROUPS OF QUADRATIC TWISTS OF ELLIPTIC CURVES WITH A TWO–TORSION OVER. Mathematika, 2013, 59, 303-319.	0.5	3
31	The Weight Enumerator of Three Families of Cyclic Codes. IEEE Transactions on Information Theory, 2013, 59, 6002-6009.	2.4	11
32	Weight Distribution of a Class of Cyclic Codes With Arbitrary Number of Zeros. IEEE Transactions on Information Theory, 2013, 59, 5985-5993.	2.4	34
33	ON SELMER GROUPS AND TATE–SHAFAREVICH GROUPS FOR ELLIPTIC CURVES $y^2 = x^3 - n^3$. Mathematika, 2012, 58, 236-274.	0.5	4
34	The weight distributions of a class of cyclic codes. Finite Fields and Their Applications, 2012, 18, 933-945.	1.0	51
35	Statistics of the Jacobians of hyperelliptic curves over finite fields. Mathematical Research Letters, 2012, 19, 255-272.	0.5	1
36	Pair correlation of lattice points with prime constraint. Acta Arithmetica, 2012, 154, 29-43.	0.4	0

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37	Correlation of fractions with divisibility constraints. Mathematische Nachrichten, 2011, 284, 393-407.	0.8	2
38	Statistics of the Zeros of Zeta Functions in a Family of Curves over a Finite Field. International Mathematics Research Notices, 2010, 2010, 3489-3518.	1.0	5
39	The fluctuations in the number of points on a family of curves over a finite field. Journal De Theorie Des Nombres De Bordeaux, 2010, 22, 755-769.	0.1	10
40	The Erdős-Kac theorem for polynomials of several variables. Proceedings of the American Mathematical Society, 2009, 137, 2601-2601.	0.8	4
41	On character sums with distances on the upper half plane over a finite field. Finite Fields and Their Applications, 2009, 15, 738-747.	1.0	2
42	Pair correlation of torsion points on elliptic curves. Journal of Mathematical Analysis and Applications, 2009, 356, 752-763.	1.0	2
43	Quotients of values of the Dedekind Eta function. Mathematische Annalen, 2008, 342, 157-176.	1.4	5
44	Pair correlation of rationals with prime denominators. Journal of Number Theory, 2008, 128, 2795-2807.	0.4	1
45	Distribution of Selmer groups of quadratic twists of a family of elliptic curves. Advances in Mathematics, 2008, 219, 523-553.	1.1	9
46	A bias phenomenon on the behavior of Dedekind sums. Mathematical Research Letters, 2008, 15, 1039-1052.	0.5	8
47	Local spacings along curves. Journal of Mathematical Analysis and Applications, 2007, 329, 721-735.	1.0	2
48	Arithmetic mean of differences of Dedekind sums. Monatshefte Fur Mathematik, 2007, 151, 175-187.	0.9	3
49	A problem of Erdős–Szüsz–Turán on diophantine approximation. Acta Arithmetica, 2006, 125, 163-177.	0.4	3
50	On elliptic curves $y2=x3−n2x$ with rank zero. Journal of Number Theory, 2004, 109, 1-26.	0.4	19