

Nian Li

List of Publications by Year in descending order

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47
papers

1,005
citations

430874

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h-index

454955

30
g-index

47
all docs

47
docs citations

47
times ranked

223
citing authors

#	ARTICLE	IF	CITATIONS
1	A note on "Cryptographically strong permutations from the butterfly structure", <i>Designs, Codes, and Cryptography</i> , 2022, 90, 265-276.	1.6	7
2	A Subfield-Based Construction of Optimal Linear Codes Over Finite Fields. <i>IEEE Transactions on Information Theory</i> , 2022, 68, 4408-4421.	2.4	5
3	On the boomerang uniformity of a class of permutation quadrinomials over finite fields. <i>Discrete Mathematics</i> , 2022, 345, 113000.	0.7	2
4	Several new classes of optimal ternary cyclic codes with minimum distance four. <i>Advances in Mathematics of Communications</i> , 2022, .	0.7	0
5	On Permutation Quadrinomials and 4-Uniform BCT. <i>IEEE Transactions on Information Theory</i> , 2021, 67, 4845-4855.	2.4	14
6	New PcN and APcN functions over finite fields. <i>Designs, Codes, and Cryptography</i> , 2021, 89, 2637-2651.	1.6	14
7	Several classes of linear codes with few weights from the closed butterfly structure. <i>Finite Fields and Their Applications</i> , 2021, 76, 101926.	1.0	5
8	Permutation polynomials of the form $x \mapsto x^L(x)$ over \mathbb{F}_q . <i>Finite Fields and Their Applications</i> , 2021, 76, 101906.	1.0	7
9	Linear Codes From Perfect Nonlinear Functions Over Finite Fields. <i>IEEE Transactions on Communications</i> , 2020, 68, 3-11.	7.8	7
10	New linear codes with few weights derived from Kloosterman sums. <i>Finite Fields and Their Applications</i> , 2020, 62, 101608.	1.0	6
11	Recent results and problems on constructions of linear codes from cryptographic functions. <i>Cryptography and Communications</i> , 2020, 12, 965-986.	1.4	26
12	Linear codes with few weights from cyclotomic classes and weakly regular bent functions. <i>Designs, Codes, and Cryptography</i> , 2020, 88, 1255-1272.	1.6	10
13	A Class of Quadrinomial Permutations With Boomerang Uniformity Four. <i>IEEE Transactions on Information Theory</i> , 2020, 66, 3753-3765.	2.4	20
14	A Class of New Quadratic Vectorial Bent Functions. <i>Chinese Journal of Electronics</i> , 2020, 29, 873-879.	1.5	2
15	New permutation trinomials from Niho exponents over finite fields with even characteristic. <i>Cryptography and Communications</i> , 2019, 11, 129-136.	1.4	22
16	Constructions of Involutions Over Finite Fields. <i>IEEE Transactions on Information Theory</i> , 2019, 65, 7876-7883.	2.4	19
17	Several classes of permutation trinomials over \mathbb{F}_{5^n} . <i>Cryptography and Communications</i> , 2019, 11, 313-324.	1.4	4
18	A survey on the applications of Niho exponents. <i>Cryptography and Communications</i> , 2019, 11, 509-548.	1.4	30

#	ARTICLE	IF	CITATIONS
19	Several classes of negabent functions over finite fields. Science China Information Sciences, 2018, 61, 1.	4.3	2
20	On Upper Bounds for Algebraic Degrees of APN Functions. IEEE Transactions on Information Theory, 2018, 64, 4399-4411.	2.4	16
21	On two conjectures about permutation trinomials over \mathbb{F}_{2^m} . Finite Fields and Their Applications, 2017, 47, 1-10.	1.0	16
22	Several classes of permutation trinomials from Niho exponents. Cryptography and Communications, 2017, 9, 693-705.	1.4	48
23	Permutation polynomials over \mathbb{F}_{2^m} of the form $x^2 + ax + b$.		



#	ARTICLE	IF	CITATIONS
37	New Constructions of Quadratic Bent Functions in Polynomial Form. IEEE Transactions on Information Theory, 2014, 60, 5760-5767.	2.4	25
38	New M -ary sequences with low autocorrelation from interleaved technique. Designs, Codes, and Cryptography, 2014, 73, 237-249.	1.6	9
39	The Weight Distributions of Several Classes of Cyclic Codes From APN Monomials. IEEE Transactions on Information Theory, 2014, 60, 4710-4721.	2.4	35
40	Some classes of monomial complete permutation polynomials over finite fields of characteristic two. Finite Fields and Their Applications, 2014, 28, 148-165.	1.0	32
41	On the Walsh Transform of a Class of Functions From Niho Exponents. IEEE Transactions on Information Theory, 2013, 59, 4662-4667.	2.4	27
42	Further results on a class of permutation polynomials over finite fields. Finite Fields and Their Applications, 2013, 22, 16-23.	1.0	50
43	Several New Classes of Bent Functions From Dillon Exponents. IEEE Transactions on Information Theory, 2013, 59, 1818-1831.	2.4	47
44	On the Correlation Distributions of the Optimal Quaternary Sequence Family \mathcal{U} and the Optimal Binary Sequence Family \mathcal{V} . IEEE Transactions on Information Theory, 2011, 57, 3815-3824.	2.4	4
45	Period-Different m -Sequences With at Most Four-Valued Cross Correlation. IEEE Transactions on Information Theory, 2009, 55, 3305-3311.	2.4	18
46	Period-different m -sequences with at most four-valued cross correlation. , 2008, , .		1
47	A Class of Nonbinary Codes and Sequence Families. Lecture Notes in Computer Science, 2008, , 81-94.	1.3	12