

# Nian Li

## List of Publications by Year in descending order

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47  
papers

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citations

430874

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454955

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g-index

47  
all docs

47  
docs citations

47  
times ranked

223  
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.	2.4	115
2	Linear codes with two or three weights from quadratic Bent functions. Designs, Codes, and Cryptography, 2016, 81, 283-295.	1.6	104
3	Three-weight cyclic codes and their weight distributions. Discrete Mathematics, 2016, 339, 415-427.	0.7	81
4	Further results on a class of permutation polynomials over finite fields. Finite Fields and Their Applications, 2013, 22, 16-23.	1.0	50
5	Several classes of permutation trinomials from Niho exponents. Cryptography and Communications, 2017, 9, 693-705.	1.4	48
6	Several New Classes of Bent Functions From Dillon Exponents. IEEE Transactions on Information Theory, 2013, 59, 1818-1831.	2.4	47
7	Optimal ternary cyclic codes with minimum distance four and five. Finite Fields and Their Applications, 2014, 30, 100-120.	1.0	37
8	The Weight Distributions of Several Classes of Cyclic Codes From APN Monomials. IEEE Transactions on Information Theory, 2014, 60, 4710-4721.	2.4	35
9	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
10	A survey on the applications of Niho exponents. Cryptography and Communications, 2019, 11, 509-548.	1.4	30
11	On the Walsh Transform of a Class of Functions From Niho Exponents. IEEE Transactions on Information Theory, 2013, 59, 4662-4667.	2.4	27
12	A class of optimal ternary cyclic codes and their duals. Finite Fields and Their Applications, 2016, 37, 193-202.	1.0	27
13	Recent results and problems on constructions of linear codes from cryptographic functions. Cryptography and Communications, 2020, 12, 965-986.	1.4	26
14	New Constructions of Quadratic Bent Functions in Polynomial Form. IEEE Transactions on Information Theory, 2014, 60, 5760-5767.	2.4	25
15	New permutation trinomials from Niho exponents over finite fields with even characteristic. Cryptography and Communications, 2019, 11, 129-136.	1.4	22
16	Some classes of complete permutation polynomials over $\mathbb{F}_q$ . Science China Mathematics, 2015, 58, 1-14.	1.7	20
17	A Class of Quadrinomial Permutations With Boomerang Uniformity Four. IEEE Transactions on Information Theory, 2020, 66, 3753-3765.	2.4	20
18	Constructions of Involutions Over Finite Fields. IEEE Transactions on Information Theory, 2019, 65, 7876-7883.	2.4	19

#	ARTICLE	IF	CITATIONS
19	Period-Different $m$ -Sequences With at Most Four-Valued Cross Correlation. IEEE Transactions on Information Theory, 2009, 55, 3305-3311.	2.4	18
20	On a conjecture about a class of optimal ternary cyclic codes. , 2015, , .		18
21	On two conjectures about permutation trinomials over $\mathbb{F}_q$ . Finite Fields and Their Applications, 2017, 47, 1-10.	1.0	16
22	On Upper Bounds for Algebraic Degrees of APN Functions. IEEE Transactions on Information Theory, 2018, 64, 4399-4411.	2.4	16
23	On Permutation Quadrinomials and 4-Uniform BCT. IEEE Transactions on Information Theory, 2021, 67, 4845-4855.	2.4	14
24	New PcN and APcN functions over finite fields. Designs, Codes, and Cryptography, 2021, 89, 2637-2651.	1.6	14
25	An Open Problem on the Distribution of a Niho-Type Cross-Correlation Function. IEEE Transactions on Information Theory, 2016, 62, 7546-7554.	2.4	13
26	Permutation polynomials over $\mathbb{F}_q$ of the form $x + ax^2 + bx^4$ .		

#	ARTICLE	IF	CITATIONS
37	New linear codes with few weights derived from Kloosterman sums. Finite Fields and Their Applications, 2020, 62, 101608.	1.0	6
38	Several classes of linear codes with few weights from the closed butterfly structure. Finite Fields and Their Applications, 2021, 76, 101926.	1.0	5
39	A Subfield-Based Construction of Optimal Linear Codes Over Finite Fields. IEEE Transactions on Information Theory, 2022, 68, 4408-4421.	2.4	5
40	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
41	Several classes of permutation trinomials over $F_5^n$ . Cryptography and Communications, 2019, 11, 313-324.	1.4	4
42	Several classes of negabent functions over finite fields. Science China Information Sciences, 2018, 61, 1.	4.3	2
43	A Class of New Quadratic Vectorial Bent Functions. Chinese Journal of Electronics, 2020, 29, 873-879.	1.5	2
44	On the boomerang uniformity of a class of permutation quadrinomials over finite fields. Discrete Mathematics, 2022, 345, 113000.	0.7	2
45	Period-different m-sequences with at most four-valued cross correlation. , 2008, , .		1
46	Further Results on the Optimal Sequence Family $\mathcal{IP}_{\{8\}}$ Over 8-Ary Q-PAM Constellation. IEEE Transactions on Information Theory, 2017, 63, 7813-7820.	2.4	0
47	Several new classes of optimal ternary cyclic codes with minimum distance four. Advances in Mathematics of Communications, 2022, .	0.7	0