Baofeng Wu

List of Publications by Year
in descending order

19 papers	205 citations	1163117 8 h-index	1058476 14 g-index
19 all docs	19 docs citations	19 times ranked	103 citing authors

#	ARTICLE	IF	CITATIONS
1	Linearized polynomials over finite fields revisited. Finite Fields and Their Applications, 2013, 22, 79-100.	1.0	65
2	The compositional inverse of a class of bilinear permutation polynomials over finite fields of characteristic 2. Finite Fields and Their Applications, 2013, 24, 136-147.	1.0	22
3	Further Results on Generalized Bent Functions and Their Complete Characterization. IEEE Transactions on Information Theory, 2018, 64, 5441-5452.	2.4	18
4	The compositional inverse of a class of linearized permutation polynomials over<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi mathvariant="double-struck">F</mml:mi></mml:mrow><mml:mrow><mml:msup><mml:mrow><mml:mn>2</mml:mn></mml:mrow><mml:r n odd. Finite Fields and Their Applications, 2014, 29, 34-48.	1.0	17
5	On constructing complete permutation polynomials over finite fields of even characteristic. Discrete Applied Mathematics, 2015, 184, 213-222.	0.9	17
6	Further results on permutation polynomials of the form <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msup><mml:mrow><mml:mo stretchy="false">(</mml:mo><mml:msup><mml:mrow><mml:mi>x</mml:mi></mml:mrow><mml:mrow><mml:msup><mml:mrow><mml:mm 44, 92-112.	1.0	13
7	General constructions of permutation polynomials of the form <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msup><mml:mrow><mml:mo stretchy="false">(</mml:mo><mml:msup><mml:mrow><mml:mi>x</mml:mi></mml:mrow><mml:mrow><mml:msup><mml:mrow><mml:	1.0	13
8	Automatic Search for Related-Key Differential Trails in SIMON-like Block Ciphers Based on MILP. Lecture Notes in Computer Science, 2018, , 116-131.	1.3	10
9	Three new infinite families of bent functions. Science China Information Sciences, 2018, 61, 1.	4.3	6
10	CONSTRUCTING 2*m*-VARIABLE BOOLEAN FUNCTIONSWITH OPTIMAL ALGEBRAIC IMMUNITY BASED ON POLAR DECOMPOSITION OF $\mathbb{F}^\ast_{2^{2m}}$. International Journal of Foundations of Computer Science, 2014, 25, 537-551.	1.1	5
11	A combinatorial condition and Boolean functions with optimal algebraic immunity. Journal of Systems Science and Complexity, 2015, 28, 725-742.	2.8	3
12	Construction of MDS block diffusion matrices for block ciphers and hash functions. Science China Information Sciences, 2016, 59, 1.	4.3	3
13	Recent Results on Constructing Boolean Functions with (Potentially) Optimal Algebraic Immunity Based on Decompositions of Finite Fields. Journal of Systems Science and Complexity, 2019, 32, 356-374.	2.8	3
14	Further results on permutation trinomials with Niho exponents. Cryptography and Communications, 2019, 11, 1057-1068.	1.4	3
15	Dembowski-Ostrom polynomials from reversed Dickson polynomials. Journal of Systems Science and Complexity, 2016, 29, 259-271.	2.8	2
16	Rotational-Linear Attack: A New Framework of Cryptanalysis on ARX Ciphers with Applications to Chaskey. Lecture Notes in Computer Science, 2021, , 192-209.	1.3	2
17	Searching for impossible subspace trails and improved impossible differential characteristics for SIMON-like block ciphers. Cybersecurity, 2021, 4, .	4.7	2
18	A note on two classes of Boolean functions with optimal algebraic immunity. Journal of Systems Science and Complexity, 2014, 27, 785-794.	2.8	1

#	Article	IF	Citations
19	New Strategies To Improve Differential-Linear Attacks With Applications To Chaskey. Computer Journal, 0, , .	2.4	0