

# Baofeng Wu

## List of Publications by Year in descending order

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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  | 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         |
| 2  | Searching for impossible subspace trails and improved impossible differential characteristics for SIMON-like block ciphers. Cybersecurity, 2021, 4, .  | 4.7 | 2         |
| 3  | 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         |
| 4  | Further results on permutation trinomials with Niho exponents. Cryptography and Communications, 2019, 11, 1057-1068.   | 1.4 | 3         |
| 5  | Three new infinite families of bent functions. Science China Information Sciences, 2018, 61, 1.  | 4.3 | 6         |
| 6  | 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        |
| 7  | General constructions of permutation polynomials of the form $\sum_{i=0}^{m-1} x^{a_i} x^{b_i}$ .<br><small>xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" &lt;mml:msup&gt;&lt;mml:mrow&gt;&lt;mml:mo stretchy="false"&gt;(&lt;/mml:mo&gt;&lt;mml:msup&gt;&lt;mml:mrow&gt;&lt;mml:mi&gt;x&lt;/mml:mi&gt;&lt;/mml:mrow&gt;&lt;mml:mrow&gt;&lt;mml:msup&gt;&lt;mml:mrow&gt;&lt;mml:mi&gt;</small>   | 1.0 | 13        |
| 8  | Further Results on Generalized Bent Functions and Their Complete Characterization. IEEE Transactions on Information Theory, 2018, 64, 5441-5452.   | 2.4 | 18        |
| 9  | Further results on permutation polynomials of the form $\sum_{i=0}^{m-1} x^{a_i} x^{b_i}$ .<br><small>xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" &lt;mml:msup&gt;&lt;mml:mrow&gt;&lt;mml:mo stretchy="false"&gt;(&lt;/mml:mo&gt;&lt;mml:msup&gt;&lt;mml:mrow&gt;&lt;mml:mi&gt;x&lt;/mml:mi&gt;&lt;/mml:mrow&gt;&lt;mml:mrow&gt;&lt;mml:msup&gt;&lt;mml:mrow&gt;&lt;mml:mi&gt;</small>         | 1.0 | 13        |
| 10 | 44, 92-112.<br>Construction of MDS block diffusion matrices for block ciphers and hash functions. Science China Information Sciences, 2016, 59, 1.   | 4.3 | 3         |
| 11 | Dembowski-Ostrom polynomials from reversed Dickson polynomials. Journal of Systems Science and Complexity, 2016, 29, 259-271.  | 2.8 | 2         |
| 12 | A combinatorial condition and Boolean functions with optimal algebraic immunity. Journal of Systems Science and Complexity, 2015, 28, 725-742.   | 2.8 | 3         |
| 13 | On constructing complete permutation polynomials over finite fields of even characteristic. Discrete Applied Mathematics, 2015, 184, 213-222.  | 0.9 | 17        |
| 14 | CONSTRUCTING 2-VARIABLE BOOLEAN FUNCTIONS WITH OPTIMAL ALGEBRAIC IMMUNITY BASED ON POLAR DECOMPOSITION OF $\mathbb{F}^{2^m}$ . International Journal of Foundations of Computer Science, 2014, 25, 537-551.  | 1.1 | 5         |
| 15 | The compositional inverse of a class of linearized permutation polynomials over $\mathbb{F}^{2^m}$ .<br><small>xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" &lt;mml:msub&gt;&lt;mml:mrow&gt;&lt;mml:mi mathvariant="double-struck"&gt;F&lt;/mml:mi&gt;&lt;/mml:mrow&gt;&lt;mml:mrow&gt;&lt;mml:msup&gt;&lt;mml:mrow&gt;&lt;mml:mn&gt;2&lt;/mml:mn&gt;&lt;/mml:mrow&gt;&lt;/mml:mrow&gt;</small> | 1.0 | 17        |
| 16 | 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         |
| 17 | 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        |
| 18 | Linearized polynomials over finite fields revisited. Finite Fields and Their Applications, 2013, 22, 79-100.   | 1.0 | 65        |

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