

# Robert S Coulter

## List of Publications by Year in descending order

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31  
papers

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citations

759233

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713466

21  
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31  
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31  
docs citations

31  
times ranked

194  
citing authors

#	ARTICLE	IF	CITATIONS
1	Constructing Functions with Low Differential Uniformity. Mediterranean Journal of Mathematics, 2022, 19, 1.	0.8	1
2	Generalized isotopic shift construction for APN functions. Designs, Codes, and Cryptography, 2021, 89, 19-32.	1.6	9
3	Constructing APN Functions Through Isotopic Shifts. IEEE Transactions on Information Theory, 2020, 66, 5299-5309.	2.4	26
4	COORDINATISING PLANES OF PRIME POWER ORDER USING FINITE FIELDS. Journal of the Australian Mathematical Society, 2019, 106, 184-199.	0.4	1
5	A Result on Polynomials Derived Via Graph Theory. Mathematics Magazine, 2019, 92, 288-295.	0.1	1
6	Image sets with regularity of differences. Cryptography and Communications, 2019, 11, 1307-1337.	1.4	0
7	AWilbrink-Like Equation for Neo-Difference Sets. Annals of Combinatorics, 2018, 22, 245-253.	0.6	0
8	Bent Functions From Involutions Over $\mathbb{F}_{2^n}$ . IEEE Transactions on Information Theory, 2018, 64, 2979-2986.	2.4	16
9	Closure planes. Journal of Algebraic Combinatorics, 2016, 43, 735-749.	0.8	0
10	A general representation theory for constructing groups of permutation polynomials. Finite Fields and Their Applications, 2015, 35, 172-203.	1.0	1
11	A NOTE ON INTERPOLATION OF PERMUTATIONS OF A SUBSET OF A FINITE FIELD. Bulletin of the Australian Mathematical Society, 2014, 90, 213-219.	0.5	1
12	On the Number of Distinct Values of a Class of Functions with Finite Domain. Annals of Combinatorics, 2014, 18, 233-243.	0.6	7
13	On expressing elements as a sum of squares, where one square is restricted to a subfield. Finite Fields and Their Applications, 2014, 26, 116-122.	1.0	0
14	On a conjecture on planar polynomials of the form $X(\text{Tr}_n(X) \hat{\sim} uX)$ . Finite Fields and Their Applications, 2013, 21, 30-34.	1.0	3
15	Subsets of finite groups exhibiting additive regularity. Discrete Mathematics, 2013, 313, 236-248.	0.7	2
16	On the classification of planar monomials over fields of square order. Finite Fields and Their Applications, 2012, 18, 316-336.	1.0	11
17	On the number of distinct values of a class of functions over a finite field. Finite Fields and Their Applications, 2011, 17, 220-224.	1.0	8
18	A note on constructing permutation polynomials. Finite Fields and Their Applications, 2009, 15, 553-557.	1.0	12

#	ARTICLE	IF	CITATIONS
19	Special subsets of difference sets with particular emphasis on skew Hadamard difference sets. <i>Designs, Codes, and Cryptography</i> , 2009, 53, 1-12.	1.6	6
20	Commutative presemifields and semifields. <i>Advances in Mathematics</i> , 2008, 217, 282-304.	1.1	73
21	Planar polynomials for commutative semifields with specified nuclei. <i>Designs, Codes, and Cryptography</i> , 2007, 44, 275-286.	1.6	24
22	The classification of planar monomials over fields of prime square order. <i>Proceedings of the American Mathematical Society</i> , 2006, 134, 3373-3378.	0.8	13
23	A note on the roots of trinomials over a finite field. <i>Bulletin of the Australian Mathematical Society</i> , 2004, 69, 429-432.	0.5	17
24	The compositional inverse of a class of permutation polynomials over a finite field. <i>Bulletin of the Australian Mathematical Society</i> , 2002, 65, 521-526.	0.5	19
25	The Number of Rational Points of a Class of Artin-Schreier Curves. <i>Finite Fields and Their Applications</i> , 2002, 8, 397-413.	1.0	30
26	Permutations amongst the Dembowski-Ostrom Polynomials. , 2001, , 37-42.		24
27	A class of functions and their application in constructing semi-biplanes and association schemes. <i>Discrete Mathematics</i> , 1999, 202, 21-31.	0.7	13
28	Explicit evaluations of some Weil sums. <i>Acta Arithmetica</i> , 1998, 83, 241-251.	0.4	62
29	Further evaluations of Weil sums. <i>Acta Arithmetica</i> , 1998, 86, 217-226.	0.4	60
30	Bent polynomials over finite fields. <i>Bulletin of the Australian Mathematical Society</i> , 1997, 56, 429-437.	0.5	19
31	Planar Functions and Planes of Lenz-Barlotti Class II. , 1997, 10, 167-184.		210