Robert S Coulter

List of Publications by Year
in descending order

31	669	759233 12	713466 21
papers	citations	h-index	g-index

31	31	31	194
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Planar Functions and Planes of Lenz-Barlotti Class II. , 1997, 10, 167-184.		210
2	Commutative presemifields and semifields. Advances in Mathematics, 2008, 217, 282-304.	1.1	73
3	Explicit evaluations of some Weil sums. Acta Arithmetica, 1998, 83, 241-251.	0.4	62
4	Further evaluations of Weil sums. Acta Arithmetica, 1998, 86, 217-226.	0.4	60
5	The Number of Rational Points of a Class of Artinâ€“Schreier Curves. Finite Fields and Their Applications, 2002, 8, 397-413.	1.0	30
6	Constructing APN Functions Through Isotopic Shifts. IEEE Transactions on Information Theory, 2020, 66, 5299-5309.	2.4	26
7	Planar polynomials for commutative semifields with specified nuclei. Designs, Codes, and Cryptography, 2007, 44, 275-286.	1.6	24
8	Permutations amongst the Dembowski-Ostrom Polynomials. , 2001, , 37-42.		24
9	Bent polynomials over finite fields. Bulletin of the Australian Mathematical Society, 1997, 56, 429-437.	0.5	19
10	The compositional inverse of a class of permutation polynomials over a finite field. Bulletin of the Australian Mathematical Society, 2002, 65, 521-526.	0.5	19
11	A note on the roots of trinomials over a finite field. Bulletin of the Australian Mathematical Society, 2004, 69, 429-432.	0.5	17
12	Bent Functions From Involutions Over ${mathbb F}_{2^{n}}$. IEEE Transactions on Information Theory, 2018, 64, 2979-2986.	2.4	16
13	A class of functions and their application in constructing semi-biplanes and association schemes. Discrete Mathematics, 1999, 202, 21-31.	0.7	13
14	The classification of planar monomials over fields of prime square order. Proceedings of the American Mathematical Society, 2006, 134, 3373-3378.	0.8	13
15	A note on constructing permutation polynomials. Finite Fields and Their Applications, 2009, 15, 553-557.	1.0	12
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	Generalized isotopic shift construction for APN functions. Designs, Codes, and Cryptography, 2021, 89, 19-32.	1.6	9
18	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

#	Article	IF	Citations
19	On the Number of Distinct Values of a Class of Functions with Finite Domain. Annals of Combinatorics, 2014, 18, 233-243.	0.6	7
20	Special subsets of difference sets with particular emphasis on skew Hadamard difference sets. Designs, Codes, and Cryptography, 2009, 53, 1-12.	1.6	6
21	On a conjecture on planar polynomials of the formX(Trn(X)â^'uX). Finite Fields and Their Applications, 2013, 21, 30-34.	1.0	3
22	Subsets of finite groups exhibiting additive regularity. Discrete Mathematics, 2013, 313, 236-248.	0.7	2
23	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
24	A general representation theory for constructing groups of permutation polynomials. Finite Fields and Their Applications, 2015, 35, 172-203.	1.0	1
25	COORDINATISING PLANES OF PRIME POWER ORDER USING FINITE FIELDS. Journal of the Australian Mathematical Society, 2019, 106, 184-199.	0.4	1
26	A Result on Polynomials Derived Via Graph Theory. Mathematics Magazine, 2019, 92, 288-295.	0.1	1
27	Constructing Functions with Low Differential Uniformity. Mediterranean Journal of Mathematics, 2022, 19, 1.	0.8	1
28	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
29	Closure planes. Journal of Algebraic Combinatorics, 2016, 43, 735-749.	0.8	0
30	AWilbrink-Like Equation for Neo-Difference Sets. Annals of Combinatorics, 2018, 22, 245-253.	0.6	0
31	Image sets with regularity of differences. Cryptography and Communications, 2019, 11, 1307-1337.	1.4	0