

# Steven T Dougherty

## List of Publications by Year in descending order

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42  
papers

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citations

933447

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713466

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42  
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42  
docs citations

42  
times ranked

186  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cyclic Codes Over $\mathbb{Z}_4$ of Even Length. Designs, Codes, and Cryptography, 2006, 39, 127-153.	1.6	70
2	Algebraic Coding Theory Over Finite Commutative Rings. SpringerBriefs in Mathematics, 2017, , .	0.3	53
3	Group rings, G-codes and constructions of self-dual and formally self-dual codes. Designs, Codes, and Cryptography, 2018, 86, 2115-2138.	1.6	42
4	MDS codes over finite principal ideal rings. Designs, Codes, and Cryptography, 2009, 50, 77-92.	1.6	41
5	Maximum Distance Separable Codes in the $\bar{I}$ -Metric over Arbitrary Alphabets. Journal of Algebraic Combinatorics, 2002, 16, 71-81.	0.8	30
6	Secret-sharing schemes based on self-dual codes. , 2008, , .		28
7	Independence of vectors in codes over rings. Designs, Codes, and Cryptography, 2009, 51, 55-68.	1.6	28
8	Cyclic codes over $R/k$ . Designs, Codes, and Cryptography, 2012, 63, 113-126.	1.6	28
9	Type II Self-Dual Codes over Finite Rings and Even Unimodular Lattices. Journal of Algebraic Combinatorics, 1999, 9, 233-250.	0.8	27
10	Self-dual codes over $\mathbb{Z}_8$ and $\mathbb{Z}_9$ . Designs, Codes, and Cryptography, 2006, 41, 235-249.	1.6	19
11	Nets and their codes. Designs, Codes, and Cryptography, 1993, 3, 315-331.	1.6	12
12	Ranks and Kernels of Codes From Generalized Hadamard Matrices. IEEE Transactions on Information Theory, 2016, 62, 687-694.	2.4	11
13	Quadruple bordered constructions of self-dual codes from group rings. Cryptography and Communications, 2020, 12, 127-146.	1.4	11
14	Note on the $g$ -fold Joint Weight Enumerators of Self-Dual Codes over $\hat{\alpha}$ , $k$ . Applicable Algebra in Engineering, Communications and Computing, 2001, 11, 437-445.	0.5	10
15	Codes over $\mathbb{Z}_m$ and Jacobi forms over the Quaternions. Applicable Algebra in Engineering, Communications and Computing, 2004, 15, 129.	0.5	10
16	One weight $\mathbb{Z}_2$ - $\mathbb{Z}_4$ additive codes. Applicable Algebra in Engineering, Communications and Computing, 2016, 27, 123-138.	0.5	10
17	Euclidean self-dual codes over non-commutative Frobenius rings. Applicable Algebra in Engineering, Communications and Computing, 2016, 27, 185-203.	0.5	10
18	Maximum Distance Codes in $\text{Mat}_n(\mathbb{Z}_k)$ with a Non-Hamming Metric and Uniform Distributions. Designs, Codes, and Cryptography, 2004, 33, 45-61.	1.6	9

#	ARTICLE	IF	CITATIONS
19	Codes Over the p-adic Integers. Designs, Codes, and Cryptography, 2006, 39, 65-80.	1.6	9
20	Higher weights for codes over rings. Applicable Algebra in Engineering, Communications and Computing, 2011, 22, 113-135.	0.5	8
21	Composite matrices from group rings, composite G-codes and constructions of self-dual codes. Designs, Codes, and Cryptography, 2021, 89, 1615-1638.	1.6	7
22	Counting codes over rings. Designs, Codes, and Cryptography, 2014, 73, 151-165.	1.6	6
23	Kernels and ranks of cyclic and negacyclic quaternary codes. Designs, Codes, and Cryptography, 2016, 81, 347-364.	1.6	6
24	Binary Images of $\mathbb{Z}_2\mathbb{Z}_4$ -Additive Cyclic Codes. IEEE Transactions on Information Theory, 2018, 64, 7551-7556.	2.4	6
25	Extending an established isomorphism between group rings and a subring of the $n \times n$ matrices. International Journal of Algebra and Computation, 2021, 31, 471-490.	0.5	6
26	Higher Weights for Ternary and Quaternary Self-Dual Codes*. Designs, Codes, and Cryptography, 2006, 38, 97-112.	1.6	3
27	Codes over rings and Hermitian lattices. Designs, Codes, and Cryptography, 2015, 76, 519-535.	1.6	3
28	$\mathbb{Z}_2$ -cyclic codes over $\mathbb{Z}_k$ . International Journal of Computer Mathematics: Computer Systems Theory, 2016, 1, 14-31.	1.1	3
29	Constructions of self-dual codes and formally self-dual codes over rings. Applicable Algebra in Engineering, Communications and Computing, 2016, 27, 435-449.	0.5	3
30	Construction and enumeration for self-dual cyclic codes over $\mathbb{Z}_4$ of oddly even length. Designs, Codes, and Cryptography, 2019, 87, 2419-2446.	1.6	3
31	Additive Complementary Dual Codes From Group Characters. IEEE Transactions on Information Theory, 2022, 68, 4444-4452.	2.4	3
32	Optimal Formally Self-Dual Codes over $\mathbb{Z}_5$ and $\mathbb{Z}_7$ . Applicable Algebra in Engineering, Communications and Computing, 2000, 10, 227-236.	0.5	2
33	$\mathbb{Z}_2\mathbb{Z}_4$ -Additive Cyclic Codes: Kernel and Rank. IEEE Transactions on Information Theory, 2019, 65, 2119-2127.	2.4	2
34	Self-dual additive codes. Applicable Algebra in Engineering, Communications and Computing, 2022, 33, 569-586.	0.5	2
35	Type II codes over finite rings. Science China Mathematics, 2010, 53, 203-212.	1.7	1
36	Constructions of Nonequivalent $\mathbb{F}_p$ -Additive Generalised Hadamard Codes. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
37	The neighbor graph of binary self-dual codes. <i>Designs, Codes, and Cryptography</i> , 2022, 90, 409.	1.6	1
38	Additive codes over $\mathbb{Z}_2$ and $\mathbb{Z}_4$ , 2010, .		0
39	On codes over Frobenius rings: generating characters, MacWilliams identities and generator matrices. <i>Applicable Algebra in Engineering, Communications and Computing</i> , 2019, 30, 193-206.	0.5	0
40	Double quadratic residue codes and self-dual double cyclic codes. <i>Applicable Algebra in Engineering, Communications and Computing</i> , 2022, 33, 91-115.	0.5	0
41	Self-dual codes over a family of local rings. <i>Applicable Algebra in Engineering, Communications and Computing</i> , 2021, 32, 265-281.	0.5	0
42	Rank and Kernel of Additive Generalised Hadamard Codes. <i>IEEE Transactions on Information Theory</i> , 2021, , 1-1.	2.4	0