

Steven T Dougherty

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Self-dual additive codes. <i>Applicable Algebra in Engineering, Communications and Computing</i> , 2022, 33, 569-586.	0.5	2
2	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
3	The neighbor graph of binary self-dual codes. <i>Designs, Codes, and Cryptography</i> , 2022, 90, 409.	1.6	1
4	Additive Complementary Dual Codes From Group Characters. <i>IEEE Transactions on Information Theory</i> , 2022, 68, 4444-4452.	2.4	3
5	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
6	Extending an established isomorphism between group rings and a subring of the $n \times n$ matrices. <i>International Journal of Algebra and Computation</i> , 2021, 31, 471-490.	0.5	6
7	Composite matrices from group rings, composite G-codes and constructions of self-dual codes. <i>Designs, Codes, and Cryptography</i> , 2021, 89, 1615-1638.	1.6	7
8	Rank and Kernel of Additive Generalised Hadamard Codes. <i>IEEE Transactions on Information Theory</i> , 2021, , 1-1.	2.4	0
9	Quadruple bordered constructions of self-dual codes from group rings. <i>Cryptography and Communications</i> , 2020, 12, 127-146.	1.4	11
10	Constructions of Nonequivalent Fp-Additive Generalised Hadamard Codes. , 2020, , .		1
11	Construction and enumeration for self-dual cyclic codes over \mathbb{Z}_4 of oddly even length. <i>Designs, Codes, and Cryptography</i> , 2019, 87, 2419-2446.	1.6	3
12	\mathbb{Z}_2 -Additive Cyclic Codes: Kernel and Rank. <i>IEEE Transactions on Information Theory</i> , 2019, 65, 2119-2127.	2.4	2
13	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
14	Group rings, G-codes and constructions of self-dual and formally self-dual codes. <i>Designs, Codes, and Cryptography</i> , 2018, 86, 2115-2138.	1.6	42
15	Binary Images of \mathbb{Z}_2 -Additive Cyclic Codes. <i>IEEE Transactions on Information Theory</i> , 2018, 64, 7551-7556.	2.4	6
16	Algebraic Coding Theory Over Finite Commutative Rings. <i>SpringerBriefs in Mathematics</i> , 2017, , .	0.3	53
17	Kernels and ranks of cyclic and negacyclic quaternary codes. <i>Designs, Codes, and Cryptography</i> , 2016, 81, 347-364.	1.6	6
18	Ranks and Kernels of Codes From Generalized Hadamard Matrices. <i>IEEE Transactions on Information Theory</i> , 2016, 62, 687-694.	2.4	11

#	ARTICLE	IF	CITATIONS
19	\hat{S} -cyclic codes over k . International Journal of Computer Mathematics: Computer Systems Theory, 2016, 1, 14-31.	1.1	3
20	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
21	One weight $\mathbb{Z}_2 \oplus \mathbb{Z}_4$ additive codes. Applicable Algebra in Engineering, Communications and Computing, 2016, 27, 123-138.	0.5	10
22	Euclidean self-dual codes over non-commutative Frobenius rings. Applicable Algebra in Engineering, Communications and Computing, 2016, 27, 185-203.	0.5	10
23	Codes over rings and Hermitian lattices. Designs, Codes, and Cryptography, 2015, 76, 519-535.	1.6	3
24	Counting codes over rings. Designs, Codes, and Cryptography, 2014, 73, 151-165.	1.6	6
25	Cyclic codes over R/k . Designs, Codes, and Cryptography, 2012, 63, 113-126.	1.6	28
26	Higher weights for codes over rings. Applicable Algebra in Engineering, Communications and Computing, 2011, 22, 113-135.	0.5	8
27	Type II codes over finite rings. Science China Mathematics, 2010, 53, 203-212.	1.7	1
28	Additive codes over $\mathbb{Z} \times \mathbb{Z} \times \mathbb{Z} \times \mathbb{Z}$, 2010, , .		0
29	MDS codes over finite principal ideal rings. Designs, Codes, and Cryptography, 2009, 50, 77-92.	1.6	41
30	Independence of vectors in codes over rings. Designs, Codes, and Cryptography, 2009, 51, 55-68.	1.6	28
31	Secret-sharing schemes based on self-dual codes. , 2008, , .		28
32	Higher Weights for Ternary and Quaternary Self-Dual Codes*. Designs, Codes, and Cryptography, 2006, 38, 97-112.	1.6	3
33	Codes Over the p -adic Integers. Designs, Codes, and Cryptography, 2006, 39, 65-80.	1.6	9
34	Cyclic Codes Over \mathbb{Z}_4 of Even Length. Designs, Codes, and Cryptography, 2006, 39, 127-153.	1.6	70
35	Self-dual codes over \mathbb{Z}_8 and \mathbb{Z}_9 . Designs, Codes, and Cryptography, 2006, 41, 235-249.	1.6	19
36	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

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37	Codes over \mathbb{Z}_m and Jacobi forms over the Quaternions. <i>Applicable Algebra in Engineering, Communications and Computing</i> , 2004, 15, 129.	0.5	10
38	Maximum Distance Separable Codes in the \mathbb{H} -Metric over Arbitrary Alphabets. <i>Journal of Algebraic Combinatorics</i> , 2002, 16, 71-81.	0.8	30
39	Note on the g -fold Joint Weight Enumerators of Self-Dual Codes over \mathbb{F}_q , k . <i>Applicable Algebra in Engineering, Communications and Computing</i> , 2001, 11, 437-445.	0.5	10
40	Optimal Formally Self-Dual Codes over \mathbb{Z}_5 and \mathbb{Z}_7 . <i>Applicable Algebra in Engineering, Communications and Computing</i> , 2000, 10, 227-236.	0.5	2
41	Type II Self-Dual Codes over Finite Rings and Even Unimodular Lattices. <i>Journal of Algebraic Combinatorics</i> , 1999, 9, 233-250.	0.8	27
42	Nets and their codes. <i>Designs, Codes, and Cryptography</i> , 1993, 3, 315-331.	1.6	12