

MercÃ“ Villanueva

List of Publications by Year in descending order

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117
citing authors

#	ARTICLE	IF	CITATIONS
1	$\mathbb{Z}_2\mathbb{Z}_4$ -linear codes: generator matrices and duality. Designs, Codes, and Cryptography, 2010, 54, 167-179.	1.6	112
2	On the additive (\mathbb{Z}_4 -linear and non- \mathbb{Z}_4 -linear) Hadamard codes: rank and kernel. IEEE Transactions on Information Theory, 2006, 52, 316-319.	2.4	43
3	$\mathbb{Z}_2\mathbb{Z}_4$ -linear codes: rank and kernel. Designs, Codes, and Cryptography, 2010, 56, 43-59.	1.6	36
4	On Perfect Codes: Rank and Kernel. Designs, Codes, and Cryptography, 2002, 27, 183-194.	1.6	28
5	Kernels and p -Kernels of p -ary 1-Perfect Codes. Designs, Codes, and Cryptography, 2005, 37, 243-261.	1.6	23
6	Ranks of q -Ary 1-Perfect Codes. Designs, Codes, and Cryptography, 2002, 27, 139-144.	1.6	21
7	On \mathbb{Z}_{2^s} -linear Hadamard codes: kernel and partial classification. Designs, Codes, and Cryptography, 2019, 87, 417-435.	1.6	21
8	A Realistic Distributed Storage System That Minimizes Data Storage and Repair Bandwidth. , 2013, , .		20
9	Rank and Kernel of Binary Hadamard Codes. IEEE Transactions on Information Theory, 2005, 51, 3931-3937.	2.4	19
10	Classification of the $\mathbb{Z}_2\mathbb{Z}_4$ -Linear Hadamard Codes and Their Automorphism Groups. IEEE Transactions on Information Theory, 2015, 61, 887-894.	2.4	19
11	Permutation decoding of $\mathbb{Z}_2\mathbb{Z}_4$ -linear codes. Designs, Codes, and Cryptography, 2015, 76, 269-277.	1.6	15
12	On \mathbb{Z}_8 -Linear Hadamard Codes: Rank and Classification. IEEE Transactions on Information Theory, 2020, 66, 970-982.	2.4	14
13	Equivalences among $\mathbb{Z}_2\mathbb{Z}_4$ -linear Hadamard codes. Discrete Mathematics, 2020, 343, 111721.	0.7	12
14	Ranks and Kernels of Codes From Generalized Hadamard Matrices. IEEE Transactions on Information Theory, 2016, 62, 687-694.	2.4	11
15	Partial permutation decoding for binary linear and \mathbb{Z}_4 -linear Hadamard codes. Designs, Codes, and Cryptography, 2018, 86, 569-586.	1.6	11
16	On Rank and Kernel of \mathbb{Z}_4 -Linear Codes. Lecture Notes in Computer Science, 2008, , 46-55.	1.3	11
17	Characterization of the automorphism group of quaternary linear Hadamard codes. Designs, Codes, and Cryptography, 2014, 70, 105-115.	1.6	9
18	On the linearity and classification of \mathbb{Z}_{p^s} -linear generalized hadamard codes. Designs, Codes, and Cryptography, 2022, 90, 1037-1058.	1.6	9

#	ARTICLE	IF	CITATIONS
19	On the Intersection of \mathbb{Z}_2 - \mathbb{Z}_4 -Additive Perfect Codes. IEEE Transactions on Information Theory, 2008, 54, 1346-1356.	2.4	8
20	Efficient representation of binary nonlinear codes: constructions and minimum distance computation. Designs, Codes, and Cryptography, 2015, 76, 3-21.	1.6	8
21	Hadamard Codes of Length 2^t (s Odd). Rank and Kernel. Lecture Notes in Computer Science, 2006, , 328-337.	1.3	7
22	Quasi-cyclic Minimum Storage Regenerating Codes for Distributed Data Compression. , 2011, , .		6
23	Classification of Some Families of Quaternary Reed-Muller Codes. IEEE Transactions on Information Theory, 2011, 57, 6043-6051.	2.4	6
24	Involutions in Binary Perfect Codes. IEEE Transactions on Information Theory, 2011, 57, 5926-5932.	2.4	6
25	Intersection of Hadamard Codes. IEEE Transactions on Information Theory, 2007, 53, 1924-1928.	2.4	4
26	Partial Permutation Decoding for Several Families of Linear and \mathbb{Z}_4 -Linear Codes. IEEE Transactions on Information Theory, 2019, 65, 131-141.	2.4	4
27	Intersection of Hamming codes avoiding Hamming subcodes. Designs, Codes, and Cryptography, 2012, 62, 209-223.	1.6	3
28	Comparing decoding methods for quaternary linear codes. Electronic Notes in Discrete Mathematics, 2016, 54, 283-288.	0.4	3
29	Kernel Dimension for Some Families of Quaternary Reed-Muller Codes. Lecture Notes in Computer Science, 2008, , 128-141.	1.3	3
30	Systematic Encoding and Permutation Decoding for \mathbb{Z}_p -Linear Codes. IEEE Transactions on Information Theory, 2022, 68, 4435-4443.	2.4	3
31	On the Intersection of \mathbb{Z}_2 - \mathbb{Z}_4 -Additive Hadamard Codes. IEEE Transactions on Information Theory, 2009, 55, 1766-1774.	2.4	2
32	Self-embeddings of Hamming Steiner triple systems of small order and APN permutations. Designs, Codes, and Cryptography, 2015, 75, 405-427.	1.6	2
33	PD-sets for \mathbb{Z}_4 -linear codes: Hadamard and Kerdock codes. , 2016, , .		2
34	Editorial: 3rd International Castle Meeting on Coding Theory and Applications. Designs, Codes, and Cryptography, 2014, 70, 1-2.	1.6	1
35	On the Rank of \mathbb{Z}_8 -Hadamard Codes. Electronic Notes in Discrete Mathematics, 2018, 70, 25-30.	0.4	1
36	Constructions of Nonequivalent \mathbb{F}_p -Additive Generalised Hadamard Codes. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
37	On the Linearity and Structure of \mathbb{Z}_2 -Linear Simplex and MacDonald Codes. , 2021, , .		1
38	Rank for Some Families of Quaternary Reed-Muller Codes. Lecture Notes in Computer Science, 2009, , 43-52.	1.3	1
39	On the Kernel of \mathbb{Z}_2^s -Linear Hadamard Codes. Lecture Notes in Computer Science, 2017, , 107-117.	1.3	1
40	Systematic encoding for \mathbb{Z}_2 -linear codes. , 2020, , .		1
41	Error-correcting codes for QAM from integer rings of an Euclidean complex quadratic field. , 0, , .		0
42	Bounds on the rank and kernel of perfect codes. Electronic Notes in Discrete Mathematics, 2001, 10, 235-237.	0.4	0
43	Biembeddings of small order hamming STS(n) and APN monomial power permutations. , 2013, , .		0
44	On the Automorphism Groups of the $\mathbb{Z}_2 \times \mathbb{Z}_4$ -Linear Hadamard Codes and Their Classification. CIM Series in Mathematical Sciences, 2015, , 237-243.	0.4	0
45	Rank and Kernel of Additive Generalised Hadamard Codes. IEEE Transactions on Information Theory, 2021, , 1-1.	2.4	0
46	Nonlinearity and Kernel of \mathbb{Z} -Linear Simplex and MacDonald Codes. IEEE Transactions on Information Theory, 2022, 68, 7174-7183.	2.4	0