Xiaoshan Kai

List of Publications by Year
in descending order

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48	887	567281	501196
papers	citations	15 h-index	28 g-index

48	48	48	209
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Construction of new entanglement-assisted quantum MDS codes via cyclic codes. Quantum Information Processing, 2022, 21, .	2.2	3
2	Quantum codes from Hermitian dual-containing constacyclic codes over $${mathbb {F}}_{q^{2}}+{v}{mathbb {F}}_{q^{2}}$$. Quantum Information Processing, 2021, 20, 1.	2.2	8
3	Five families of the narrow-sense primitive BCH codes over finite fields. Designs, Codes, and Cryptography, 2021, 89, 2679-2696.	1.6	2
4	On the depth spectrum of repeated-root constacyclic codes over finite chain rings. Discrete Mathematics, 2020, 343, 111647.	0.7	1
5	Some new bounds on LCD codes over finite fields. Cryptography and Communications, 2020, 12, 743-755.	1.4	10
6	A Family of Constacyclic Codes over ? 2 m + u ? 2 m and Its Application to Quantum Codes. Chinese Journal of Electronics, 2020, 29, 114-121.	1.5	1
7	The images of constacyclic codes and new quantum codes. Quantum Information Processing, 2020, 19, 1.	2.2	5
8	Asymptotically good <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:msub><mml:mrow><mml:mi mathvariant="double-struck">Z</mml:mi></mml:mrow><mml:mrow><mml:msup><mml:mrow><mml:mi>p</mml:mi></mml:mrow><mml:mrow><mml:mi mathvariant="double-struck">Z</mml:mi></mml:mrow><mml:mrow><mml:msup><mml:mrow><mml:mi>p</mml:mi></mml:mrow><mml:mrow><mml:mi>m</mml:mi></mml:mrow></mml:msup></mml:mrow></mml:msup></mml:mrow></mml:msub></mml:math> Finite Fields and Their Applications, 2020, 63, 101633.	1.0	12
9	Nonbinary quantum codes from constacyclic codes over polynomial residue rings. Quantum Information Processing, 2020, 19, 1.	2.2	6
10	Asymptotically Good Additive Cyclic Codes. Chinese Journal of Electronics, 2020, 29, 859-864.	1.5	1
11	A Class of Narrow-Sense BCH Codes. IEEE Transactions on Information Theory, 2019, 65, 4699-4714.	2.4	16
12	A Class of Optimal Cyclic Codes With Two Zeros. IEEE Communications Letters, 2019, 23, 1293-1296.	4.1	10
13	Entanglement-assisted quantum MDS codes from generalized Reedâ€“Solomon codes. Quantum Information Processing, 2019, 18, 1.	2.2	20
14	Entanglement-Assisted Quantum Negacyclic BCH Codes. International Journal of Theoretical Physics, 2019, 58, 1509-1523.	1.2	4
15	On the minimum distance of negacyclic codes with two zeros. Finite Fields and Their Applications, 2019, 55, 134-150.	1.0	13
16	On Selfâ€dual and LCD Double Circulant Codes over a Nonâ€chain Ring*. Chinese Journal of Electronics, 2019, 28, 1018-1024.	1.5	7
17	Two Classes of New Optimal Asymmetric Quantum Codes. International Journal of Theoretical Physics, 2018, 57, 1829-1838.	1.2	8
18	New MDS Symbol-Pair Codes From Repeated-Root Codes. IEEE Communications Letters, 2018, 22, 462-465.	4.1	21

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19	Construction of quantum negacyclic BCH codes. International Journal of Quantum Information, 2018, 16, 1850059.	1.1	10
20	Entanglement-assisted quantum MDS codes constructed from constacyclic codes. Quantum Information Processing, 2018, 17, 1.	2.2	43
21	MacWilliams type identities on the Lee and Euclidean weights for linear codes over <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi mathvariant="double-struck">Z</mml:mi></mml:mrow><mml:mrow><mml:mi>â„“</mml:mi></mml:mrow></mml:msub></mml:math>. Linear Algebra and its Applications, 2017, 516, 82-92.	0.9	5
22	On the construction of quantum constacyclic codes. Designs, Codes, and Cryptography, 2017, 85, 179-190.	1.6	17
23	The depth spectrum of negacyclic codes over <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml1" display="inline" overflow="scroll" altimg="si1.gif"><mml:msub><mml:mrow><mml:mi mathvariant="double-struck">Z</mml:mi></mml:mrow><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:msub></mml:math>. Discrete Mathematics, 2017, 340, 345-350.	0.7	5
24	Some results on linear codes over the ring $$mathbb {Z}_4+umathbb {Z}_4+vmathbb {Z}_4+uvmathbb {Z}_4$$ Z 4 + u Z 4. Journal of Applied Mathematics and Computing, 2017, 54, 307-324.	2.5	9
25	New quantum codes from dual-containing cyclic codes over finite rings. Quantum Information Processing, 2016, 15, 4489-4500.	2.2	17
26	Repeated-root constacyclic codes of length 3lp and their dual codes. Finite Fields and Their Applications, 2016, 42, 269-295.	1.0	21
27	On the Gray images of some constacyclic codes over F p + u F p + u 2 F p. Journal of Systems Science and Complexity, 2016, 29, 842-849.	2.8	2
28	A Construction of New MDS Symbol-Pair Codes. IEEE Transactions on Information Theory, 2015, 61, 5828-5834.	2.4	66
29	On cyclic self-orthogonal codes over <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi mathvariant="double-struck">Z</mml:mi></mml:mrow><mml:mrow><mml:msup><mml:mrow><mml:mn>2</mml:mn></mml:mrow> Finite Fields and Their Applications, 2015, 33, 53-65.	1.0	8
30	Constacyclic Codes and Some New Quantum MDS Codes. IEEE Transactions on Information Theory, 2014, 60, 2080-2086.	2.4	157
31	(1 â^' uv)-constacyclic codes over $mathbb{F}_p + umathbb{F}_p + vmathbb{F}_p + uvmathbb{F}_p $. Journal of Systems Science and Complexity, 2014, 27, 811-816.	2.8	12
32	New Quantum MDS Codes From Negacyclic Codes. IEEE Transactions on Information Theory, 2013, 59, 1193-1197.	2.4	141
33	Quantum negacyclic codes. Physical Review A, 2013, 88, .	2.5	34
34	A note on negacyclic self-dual codes over <mml:math altimg="si1.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/co	0.7	2
35	A family of constacyclic codes over F 2 + uF 2 + vF 2 + uvF 2. Journal of Systems Science and Complexity, 2012, 25, 1032-1040.	2.8	21
36	Negacyclic codes over Galois rings of characteristic 2 a. Science China Mathematics, 2012, 55, 869-879.	1.7	1

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37	Constacyclic self-dual codes over the integers modulo <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/co	1.0	7
38	Negacyclic self-dual codes over finite chain rings. Designs, Codes, and Cryptography, 2012, 62, 161-174.	1.6	8
39	QUATERNARY CONSTRUCTION OF QUANTUM CODES FROM CYCLIC CODES OVER $mathbb{F}_4 + umathbb{F}_4$. International Journal of Quantum Information, 2011, 09, 689-700.	1.1	66
40	(1+Î»u)-Constacyclic codes over Fp[u]/ã€ˆumã€‰. Journal of the Franklin Institute, 2010, 347, 751-762.	3.4	33
41	A class of constacyclic codes over <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msub><mml:mi mathvariant="double-struck">Z</mml:mi><mml:msup><mml:mi>p</mml:mi><mml:mi>m</mml:mi></mml:msup></mml:msub></mml:m Finite Fields and Their Applications, 2010, 16, 243-254.	1.0	10
42	Negacyclic MDS codes over GR(2^a,m). , 2009, , .		0
43	Dual and self-dual negacyclic codes of even length over <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi mathvariant="double-struck">Z</mml:mi></mml:mrow><mml:mrow><mml:msup><mml:mrow><mml:mn>2</mml:mn></mml:mrow> Discrete Mathematics, 2009, 309, 2382-2391.	0.7	17
44	On cyclic self-dual codes. Applicable Algebra in Engineering, Communications and Computing, 2008, 19, 509-525.	0.5	22
45	The Hamming Distances of Negacyclic Codes of Length 2 s over GR(2 a ,m). Journal of Systems Science and Complexity, 2008, 21, 60-66.	2.8	5
46	New entanglement-assisted quantum MDS codes with length $$n=rac{q^2+1}{10mu }$$. Journal of Applied Mathematics and Computing, 0, , 1.	2.5	0
47	Construction of self-dual MDR cyclic codes over finite chain rings. Journal of Applied Mathematics and Computing, 0, , .	2.5	0
48	Hermitian dual-containing constacyclic codes over $$mathbb {F}_{q^{2}}+{v_{1}}mathbb {F}_{q^{2}}+cdots +{v_{r}}mathbb {F}_{q^{2}}$$ and new quantum codes. Cryptography and Communications, 0, , .	1.4	0