Xiaoshan Kai

List of Publications by Year
in descending order

48 papers	887 citations	567281 15 h-index	501196 28 g-index
48 all docs	48 docs citations	48 times ranked	209 citing authors

#	Article	IF	Citations
1	Constacyclic Codes and Some New Quantum MDS Codes. IEEE Transactions on Information Theory, 2014, 60, 2080-2086.	2.4	157
2	New Quantum MDS Codes From Negacyclic Codes. IEEE Transactions on Information Theory, 2013, 59, 1193-1197.	2.4	141
3	QUATERNARY CONSTRUCTION OF QUANTUM CODES FROM CYCLIC CODES OVER $\mathbb{F}_4 + u\mathbb{F}_4$. International Journal of Quantum Information, 2011, 09, 689-700.	1.1	66
4	A Construction of New MDS Symbol-Pair Codes. IEEE Transactions on Information Theory, 2015, 61, 5828-5834.	2.4	66
5	Entanglement-assisted quantum MDS codes constructed from constacyclic codes. Quantum Information Processing, 2018, 17, 1.	2.2	43
6	Quantum negacyclic codes. Physical Review A, 2013, 88, .	2.5	34
7	$(1+\lambda u)$-Constacyclic codes over Fp[u]/ã€ˆumã€‰. Journal of the Franklin Institute, 2010, 347, 751-762.	3.4	33
8	On cyclic self-dual codes. Applicable Algebra in Engineering, Communications and Computing, 2008, 19, 509-525.	0.5	22
9	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
10	Repeated-root constacyclic codes of length 3lp and their dual codes. Finite Fields and Their Applications, 2016, 42, 269-295.	1.0	21
11	New MDS Symbol-Pair Codes From Repeated-Root Codes. IEEE Communications Letters, 2018, 22, 462-465.	4.1	21
12	Entanglement-assisted quantum MDS codes from generalized Reedâ€"Solomon codes. Quantum Information Processing, 2019, 18, 1.	2.2	20
13	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
14	New quantum codes from dual-containing cyclic codes over finite rings. Quantum Information Processing, 2016, 15, 4489-4500.	2.2	17
15	On the construction of quantum constacyclic codes. Designs, Codes, and Cryptography, 2017, 85, 179-190.	1.6	17
16	A Class of Narrow-Sense BCH Codes. IEEE Transactions on Information Theory, 2019, 65, 4699-4714.	2.4	16
17	On the minimum distance of negacyclic codes with two zeros. Finite Fields and Their Applications, 2019, 55, 134-150.	1.0	13
18	$(1 - uv)$-constacyclic codes over $\mathbb{F}_p + u\mathbb{F}_p + v\mathbb{F}_p + uv\mathbb{F}_p$. Journal of Systems Science and Complexity, 2014, 27, 811-816.	2.8	12

#	Article	IF	Citations
19	Asymptotically good $\mathbb{Z}_{p^r}\mathbb{Z}_{p^s}$... Finite Fields and Their Applications, 2020, 63, 101632.	1.0	12
20	A class of constacyclic codes over $\mathbb{Z}_{p^m}$. Finite Fields and Their Applications, 2010, 16, 243-254.	1.0	10
21	Construction of quantum negacyclic BCH codes. International Journal of Quantum Information, 2018, 16, 1850059.	1.1	10
22	A Class of Optimal Cyclic Codes With Two Zeros. IEEE Communications Letters, 2019, 23, 1293-1296.	4.1	10
23	Some new bounds on LCD codes over finite fields. Cryptography and Communications, 2020, 12, 743-755.	1.4	10
24	Some results on linear codes over the ring $\mathbb{Z}_4+u\mathbb{Z}_4+v\mathbb{Z}_4+uv\mathbb{Z}_4$. Journal of Applied Mathematics and Computing, 2017, 54, 307-324.	2.5	9
25	Negacyclic self-dual codes over finite chain rings. Designs, Codes, and Cryptography, 2012, 62, 161-174.	1.6	8
26	On cyclic self-orthogonal codes over $\mathbb{Z}_{2^{...}}$. Finite Fields and Their Applications, 2015, 33, 53-65.	1.0	8
27	Two Classes of New Optimal Asymmetric Quantum Codes. International Journal of Theoretical Physics, 2018, 57, 1829-1838.	1.2	8
28	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
29	Some constacyclic self-dual codes over the integers modulo 2^m.	1.0	7
30	On Self-dual and LCD Double Circulant Codes over a Non-chain Ring*. Chinese Journal of Electronics, 2019, 28, 1018-1024.	1.5	7
31	Nonbinary quantum codes from constacyclic codes over polynomial residue rings. Quantum Information Processing, 2020, 19, 1.	2.2	6
32	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
33	MacWilliams type identities on the Lee and Euclidean weights for linear codes over $\mathbb{Z}_{\ell}$...	0.9	5
34	The depth spectrum of negacyclic codes over $\mathbb{Z}_4$. Discrete Mathematics, 2017, 340, 345-350.	0.7	5
35	The images of constacyclic codes and new quantum codes. Quantum Information Processing, 2020, 19, 1.	2.2	5
36	Entanglement-Assisted Quantum Negacyclic BCH Codes. International Journal of Theoretical Physics, 2019, 58, 1509-1523.	1.2	4

#	Article	IF	Citations
37	Construction of new entanglement-assisted quantum MDS codes via cyclic codes. Quantum Information Processing, 2022, 21, .	2.2	3
38	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
39	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
40	Five families of the narrow-sense primitive BCH codes over finite fields. Designs, Codes, and Cryptography, 2021, 89, 2679-2696.	1.6	2
41	Negacyclic codes over Galois rings of characteristic 2^a. Science China Mathematics, 2012, 55, 869-879.	1.7	1
42	On the depth spectrum of repeated-root constacyclic codes over finite chain rings. Discrete Mathematics, 2020, 343, 111647.	0.7	1
43	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
44	Asymptotically Good Additive Cyclic Codes. Chinese Journal of Electronics, 2020, 29, 859-864.	1.5	1
45	Negacyclic MDS codes over GR(2^a,m). , 2009, , .		0
46	New entanglement-assisted quantum MDS codes with length $n=\frac{q^2+1}{10mu}$. 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