Xiande Zhang

List of Publications by Year
in descending order

46 papers	306 citations	840776 11 h-index	1058476 14 g-index
46 all docs	46 docs citations	46 times ranked	122 citing authors

#	Article	IF	Citations
1	Strong quantum nonlocality with entanglement. Physical Review A, 2020, 102, .	2.5	24
2	Multiply Constant-Weight Codes and the Reliability of Loop Physically Unclonable Functions. IEEE Transactions on Information Theory, 2014, 60, 7026-7034.	2.4	23
3	Strongly nonlocal unextendible product bases do exist. Quantum - the Open Journal for Quantum Science, 0, 6, 619.	0.0	19
4	Super-simple resolvable balanced incomplete block designs with block size 4 and index 2. Journal of Combinatorial Designs, 2007, 15, 341-356.	0.6	15
5	Unextendible product bases from tile structures and their local entanglement-assisted distinguishability. Physical Review A, 2020, 101, .	2.5	15
6	k-uniform quantum information masking. Physical Review A, 2021, 104, .	2.5	15
7	Splitter Sets and k-Radius Sequences. IEEE Transactions on Information Theory, 2017, 63, 7633-7645.	2.4	14
8	Strong quantum nonlocality for unextendible product bases in heterogeneous systems. Journal of Physics A: Mathematical and Theoretical, 2022, 55, 015305.	2.1	14
9	Strong quantum nonlocality in N-partite systems. Physical Review A, 2022, 105, .	2.5	14
10	Constructions of Optimal and Near-Optimal Multiply Constant-Weight Codes. IEEE Transactions on Information Theory, 2017, 63, 3621-3629.	2.4	12
11	Optimal Ternary Constant-Weight Codes With Weight 4 and Distance 5. IEEE Transactions on Information Theory, 2012, 58, 2706-2718.	2.4	11
12	The Order of Automorphisms of Quasigroups. Journal of Combinatorial Designs, 2015, 23, 275-288.	0.6	11
13	Universal cycles for minimum coverings of pairs by triples, with application to 2-radius sequences. Mathematics of Computation, 2012, 81, 585-603.	2.1	11
14	Existence of resolvable H-designs with group sizes 2, 3, 4 and 6. Designs, Codes, and Cryptography, 2010, 55, 81-101.	1.6	9
15	Improved Constructions of Frameproof Codes. IEEE Transactions on Information Theory, 2012, 58, 5449-5453.	2.4	9
16	Constructions of unextendible entangled bases. Quantum Information Processing, 2019, 18, 1.	2.2	8
17	Burst-Deletion-Correcting Codes for Permutations and Multipermutations. IEEE Transactions on Information Theory, 2020, 66, 957-969.	2.4	8
18	Some New Results on Splitter Sets. IEEE Transactions on Information Theory, 2020, 66, 2765-2776.	2.4	8

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19	On the existence of partitionable skew Room frames. Discrete Mathematics, 2007, 307, 2786-2807.	0.7	7
20	Hanani triple packings and optimal q-ary codes of constant weight three. Designs, Codes, and Cryptography, 2015, 75, 387-403.	1.6	7
21	Transversals of Latin squares and covering radius of sets of permutations. European Journal of Combinatorics, 2013, 34, 1130-1143.	0.8	6
22	Linear Size Constant-Composition Codes Meeting the Johnson Bound. IEEE Transactions on Information Theory, 2018, 64, 909-917.	2.4	6
23	Optimal Fraction Repetition Codes for Access-Balancing in Distributed Storage. IEEE Transactions on Information Theory, 2021, 67, 1630-1640.	2.4	6
24	Optimal constant weight covering codes and nonuniform group divisible 3-designs with block size four. Designs, Codes, and Cryptography, 2012, 62, 143-160.	1.6	5
25	Complexity of Dependences in Bounded Domains, Armstrong Codes, and Generalizations. IEEE Transactions on Information Theory, 2015, 61, 812-819.	2.4	3
26	Decompositions of Edge-Colored Digraphs: A New Technique in the Construction of Constant-Weight Codes and Related Families. SIAM Journal on Discrete Mathematics, 2019, 33, 209-229.	0.8	3
27	New optimal error-correcting codes for crosstalk avoidance in on-chip data buses. Advances in Mathematics of Communications, 2021, 15, 487.	0.7	3
28	Optimal Codes With Small Constant Weight in ℓ_∞-Metric. IEEE Transactions on Information Theory, 2021, 67, 4239-4254.	2.4	3
29	k-Uniform States in Heterogeneous Systems. IEEE Transactions on Information Theory, 2022, 68, 3115-3129.	2.4	3
30	Existence of Z-cyclic 3PDTWh(p) for Prime $p \equiv 1 \pmod 4$. Designs, Codes, and Cryptography, 2007, 45, 139-155.	1.6	2
31	H-designs with the properties of resolvability or (1, 2)-resolvability. Designs, Codes, and Cryptography, 2010, 57, 225-256.	1.6	2
32	A new existence proof for Steiner quadruple systems. Designs, Codes, and Cryptography, 2013, 69, 65-76.	1.6	2
33	Bounds on the number of mutually unbiased entangled bases. Quantum Information Processing, 2020, 19, 1.	2.2	2
34	Optimal Ternary Codes With Weight w and Distance $2w - 2$ in ℓ_1-Metric. IEEE Transactions on Information Theory, 2021, 67, 7221-7231.	2.4	2
35	Maximal resolvable packings and minimal resolvable coverings of triples by quadruples. Journal of Combinatorial Designs, 2010, 18, 209-223.	0.6	1
36	Optimal Codes in the Enomoto-Katona Space. Combinatorics Probability and Computing, 2015, 24, 382-406.	1.3	1

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37	New Results on Self-Dual Generalized Reed-Solomon Codes. IEEE Transactions on Information Theory, 2021, 67, 7240-7252.	2.4	1
38	Sparse and Balanced MDS Codes Over Small Fields. IEEE Transactions on Information Theory, 2022, 68, 5112-5125.	2.4	1
39	On Block Sequences of Steiner Quadruple Systems with Error Correcting Consecutive Unions. SIAM Journal on Discrete Mathematics, 2009, 23, 940-958.	0.8	0
40	Combinatorial constructions of fault-tolerant routings with levelled minimum optical indices. Discrete Applied Mathematics, 2010, 158, 951-963.	0.9	0
41	On the existence of retransmission permutation arrays. Discrete Applied Mathematics, 2013, 161, 2772-2777.	0.9	0
42	Optimal q-Ary Error Correcting/All Unidirectional Error Detecting Codes. IEEE Transactions on Information Theory, 2018, 64, 5806-5812.	2.4	0
43	Suitable sets of permutations, packings of triples, and Ramsey's theorem. European Journal of Combinatorics, 2020, 83, 103021.	0.8	0
44	Covering radius of permutation groups with infinity-norm. Discrete Mathematics, 2020, 343, 111701.	0.7	0
45	Short k-radius sequences, k-difference sequences and universal cycles. Journal of Combinatorial Designs, 2020, 28, 509-524.	0.6	0
46	BollobÃ¡s-type theorems for hemi-bundled two families. European Journal of Combinatorics, 2022, 100, 103438.	0.8	0