

# Shuxing Li

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

535  
citations

933447

10  
h-index

752698

20  
g-index

23  
all docs

23  
docs citations

23  
times ranked

414  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deterministic Sensing Matrices Arising From Near Orthogonal Systems. IEEE Transactions on Information Theory, 2014, 60, 2291-2302.	2.4	125
2	Deterministic Construction of Compressed Sensing Matrices via Algebraic Curves. IEEE Transactions on Information Theory, 2012, 58, 5035-5041.	2.4	101
3	Deterministic Construction of Sparse Sensing Matrices via Finite Geometry. IEEE Transactions on Signal Processing, 2014, 62, 2850-2859.	5.3	93
4	Narrow-Sense BCH Codes Over $\mathbb{F}_q$ With Length $n = \frac{q^m - 1}{q - 1}$ . IEEE Transactions on Information Theory, 2017, 63, 7219-7236.	2.4	38
5	The Minimum Distance of Some Narrow-Sense Primitive BCH Codes. SIAM Journal on Discrete Mathematics, 2017, 31, 2530-2569.	0.8	33
6	Pseudo-cyclic Codes and the Construction of Quantum MDS Codes. IEEE Transactions on Information Theory, 2016, 62, 1703-1710.	2.4	27
7	Some New Results on the Cross Correlation of $\mathbb{Z}_m$ -Sequences. IEEE Transactions on Information Theory, 2014, 60, 3062-3068.	2.4	23
8	The Weight Distribution of a Class of Cyclic Codes Related to Hermitian Forms Graphs. IEEE Transactions on Information Theory, 2013, 59, 3064-3067.	2.4	22
9	On the Weight Distribution of Cyclic Codes With Niho Exponents. IEEE Transactions on Information Theory, 2014, 60, 3903-3912.	2.4	15
10	The Weight Hierarchy of Some Reducible Cyclic Codes. IEEE Transactions on Information Theory, 2016, 62, 4071-4080.	2.4	14
11	Construction and nonexistence of strong external difference families. Journal of Algebraic Combinatorics, 2019, 49, 21-48.	0.8	9
12	New pseudo-planar binomials in characteristic two and related schemes. Designs, Codes, and Cryptography, 2015, 76, 345-360.	1.6	7
13	On the weight distribution of second order Reed-Muller codes and their relatives. Designs, Codes, and Cryptography, 2019, 87, 2447-2460.	1.6	7
14	Vanishing Flats: A Combinatorial Viewpoint on the Planarity of Functions and Their Application. IEEE Transactions on Information Theory, 2020, 66, 7101-7112.	2.4	6
15	Intersection distribution, non-hitting index and Kakeya sets in affine planes. Finite Fields and Their Applications, 2020, 66, 101691.	1.0	4
16	The weight hierarchy of a family of cyclic codes with arbitrary number of nonzeros. Finite Fields and Their Applications, 2017, 45, 355-371.	1.0	3
17	Formal duality in finite abelian groups. Journal of Combinatorial Theory - Series A, 2019, 162, 354-405.	0.8	3
18	Linking systems of difference sets. Journal of Combinatorial Designs, 2019, 27, 161-187.	0.6	2

#	ARTICLE	IF	CITATIONS
19	A direct construction of primitive formally dual pairs having subsets with unequal sizes. <i>Cryptography and Communications</i> , 2020, 12, 469-483.	1.4	2
20	Constructions of primitive formally dual pairs having subsets with unequal sizes. <i>Journal of Combinatorial Designs</i> , 2019, 27, 703-733.	0.6	1
21	Difference sets with few character values. <i>Designs, Codes, and Cryptography</i> , 2014, 73, 825-839.	1.6	0
22	A New Construction of Group Divisible Designs with Nonuniform Group Type. <i>Journal of Combinatorial Designs</i> , 2016, 24, 369-382.	0.6	0
23	Nonexistence of strong external difference families in abelian groups of order being product of at most three primes. <i>Journal of Combinatorial Theory - Series A</i> , 2021, 178, 105338.	0.8	0