

Gennian Ge

List of Publications by Year in descending order

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179
papers

2,401
citations

257357

24
h-index

289141

40
g-index

180
all docs

180
docs citations

180
times ranked

856
citing authors

#	ARTICLE	IF	CITATIONS
19	Maximum distance separable codes for b-symbol read channels. Finite Fields and Their Applications, 2018, 49, 180-197.	0.6	30
20	Resolvable group divisible designs with block size four. Discrete Mathematics, 2002, 243, 109-119.	0.4	29
21	Optimal Ternary Constant-Weight Codes of Weight Four and Distance Six. IEEE Transactions on Information Theory, 2010, 56, 2188-2203.	1.5	27
22	Pseudo-cyclic Codes and the Construction of Quantum MDS Codes. IEEE Transactions on Information Theory, 2016, 62, 1703-1710.	1.5	27
23	HGDDs with block size four. Discrete Mathematics, 2004, 279, 267-276.	0.4	26
24	Resolvable Maximum Packings with Quadruples. Designs, Codes, and Cryptography, 2005, 35, 287-302.	1.0	25
25	MGDD with block size 4 and its application to sampling designs. Discrete Mathematics, 2003, 272, 277-283.	0.4	24
26	New Bounds on Separable Codes for Multimedia Fingerprinting. IEEE Transactions on Information Theory, 2014, 60, 5257-5262.	1.5	24
27	A survey on resolvable group divisible designs with block size four. Discrete Mathematics, 2004, 279, 225-245.	0.4	23
28	Some New Results on the Cross Correlation of $\langle \mathbf{a}, \mathbf{b} \rangle$ Sequences. IEEE Transactions on Information Theory, 2014, 60, 3062-3068.	1.5	23
29	The Weight Distribution of a Class of Cyclic Codes Related to Hermitian Forms Graphs. IEEE Transactions on Information Theory, 2013, 59, 3064-3067.	1.5	22
30	Combinatorial Constructions for Optimal Splitting Authentication Codes. SIAM Journal on Discrete Mathematics, 2005, 18, 663-678.	0.4	21
31	Perfect difference families, perfect difference matrices, and related combinatorial structures. Journal of Combinatorial Designs, 2010, 18, 415-449.	0.3	21
32		0.3	20
33	Group Divisible Codes and Their Application in the Construction of Optimal Constant-Composition Codes of Weight Three. IEEE Transactions on Information Theory, 2008, 54, 3552-3564.	1.5	20
34	Group divisible designs with block size four and group type $(g^u m^1)$. Designs, Codes, and Cryptography, 2015, 74, 243-282.	1.0	20
35	Traffic Grooming in Unidirectional Wavelength-Division Multiplexed Rings with Grooming Ratio $C=6$. SIAM Journal on Discrete Mathematics, 2005, 19, 523-542.	0.4	19
36	Super-simple Steiner pentagon systems and related designs. Journal of Combinatorial Designs, 2008, 16, 301-328.	0.3	19

#	ARTICLE	IF	CITATIONS
37	ference matrix constructions and an almost completion for the existence of triplewhist tournaments $\langle mml:math altimg= "s11.gif" display= "inline" overflow= "scroll" xmlns:xocs= "http://www.elsevier.com/xml/xocs/dtd" xmlns:xs= "http://www.w3.org/2001/XMLSchema" xmlns:xsi= "http://www.w3.org/2001/XMLSchema-instance" xmlns= "http://www.elsevier.com/xml/ja/dtd" xmlns:ja= "http://www.elsevier.com/xml/ja/dtd" xmlns:mml= "http://www.w3.org/1998/Math/MathML" xmlns:tb= "http://www.elsevier.com/xml/commen/table/dtd" xml: European Journal of Combinatorics,$	0.5	18
38	On Private Information Retrieval Array Codes. IEEE Transactions on Information Theory, 2019, 65, 5565-5573.	1.5	18
39	Combinatorial characterizations of one-coincidence frequency-hopping sequences. Designs, Codes, and Cryptography, 2006, 41, 177-184.	1.0	17
40	An Improvement on the Gilbertâ€“Varshamov Bound for Permutation Codes. IEEE Transactions on Information Theory, 2013, 59, 3059-3063.	1.5	17
41	Snake-in-the-Box Codes for Rank Modulation Under Kendallâ€™s $\$au \$$ -Metric. IEEE Transactions on Information Theory, 2016, 62, 151-158.	1.5	17
42	New Bounds for Frameproof Codes. IEEE Transactions on Information Theory, 2017, 63, 7247-7252.	1.5	17
43	Optimal Binary Linear Locally Repairable Codes with Disjoint Repair Groups. SIAM Journal on Discrete Mathematics, 2019, 33, 2509-2529.	0.4	17
44	Existence of $(v, \{5, w\}, 1)$ -PBDs. Discrete Mathematics, 2004, 279, 61-105.	0.4	16
45	On the Existence of $(K, 5)$ -Designs with Application to Optical Networks. SIAM Journal on Discrete Mathematics, 2008, 21, 851-864.	0.4	16
46	Separating Hash Families: A Johnson-type bound and New Constructions. SIAM Journal on Discrete Mathematics, 2016, 30, 2243-2264.	0.4	16
47	New Bounds on the Number of Tests for Disjunct Matrices. IEEE Transactions on Information Theory, 2016, 62, 7518-7521.	1.5	16
48	New bounds of permutation codes under Hamming metric and Kendallâ€™s $\$au \$$ $\ddot{}$, -metric. Designs, Codes, and Cryptography, 2017, 85, 533-545.	1.0	16
49	Super-simple resolvable balanced incomplete block designs with block size 4 and index 2. Journal of Combinatorial Designs, 2007, 15, 341-356.	0.3	15
50	Minimizing SONET ADMs in Unidirectional WDM Rings with Grooming Ratio Seven. SIAM Journal on Discrete Mathematics, 2009, 23, 109-122.	0.4	15
51	On the Weight Distribution of Cyclic Codes With Niho Exponents. IEEE Transactions on Information Theory, 2014, 60, 3903-3912.	1.5	15
52	New Results on Codes Correcting Single Error of Limited Magnitude for Flash Memory. IEEE Transactions on Information Theory, 2016, 62, 4494-4500.	1.5	15
53	Generic constructions for partitioned difference families with applications: a unified combinatorial approach. Designs, Codes, and Cryptography, 2017, 82, 583-599.	1.0	15
54	Some New uniform frames with block size four and index one or three. Journal of Combinatorial Designs, 2004, 12, 112-122.	0.3	14

#	ARTICLE	IF	CITATIONS
73	On the Nonexistence of Perfect Splitter Sets. IEEE Transactions on Information Theory, 2018, 64, 6561-6566.	1.5	10
74	A new construction for Z-cyclic whist tournaments. Discrete Applied Mathematics, 2003, 131, 643-650.	0.5	9
75	Existence of resolvable H-designs with group sizes 2, 3, 4 and 6. Designs, Codes, and Cryptography, 2010, 55, 81-101.	1.0	9
76	Constructions of strongly regular Cayley graphs using index four Gauss sums. Journal of Algebraic Combinatorics, 2013, 37, 313-329.	0.4	9
77	Group Divisible Designs with Block Size Four and Group Type for. Journal of Combinatorial Designs, 2014, 22, 26-52.	0.3	9
78	New Constructions of Optimal Locally Repairable Codes With Super-Linear Length. IEEE Transactions on Information Theory, 2021, 67, 6491-6506.	1.5	9
79	New Z-cyclic triplewhist frames and triplewhist tournament designs. Discrete Applied Mathematics, 2006, 154, 1649-1673.	0.5	8
80	On the existence of resolvable K_4 -designs. Journal of Combinatorial Designs, 2007, 15, 502-510.	0.3	8
81	Resolvable group divisible designs with block size four and general index. Discrete Mathematics, 2009, 309, 2982-2989.	0.4	8
82	Completely reducible super-simple designs with block size four and related super-simple packings. Designs, Codes, and Cryptography, 2011, 58, 321-346.	1.0	8
83	Group divisible designs with block size four and group type $(4, 4)$. Discrete Mathematics, 2013, 313, 2065-2083.	0.4	8
84	Some New Results on Splitter Sets. IEEE Transactions on Information Theory, 2020, 66, 2765-2776.	1.5	8
85	On the existence of partitionable skew Room frames. Discrete Mathematics, 2007, 307, 2786-2807.	0.4	7
86	Optical grooming with grooming ratio eight. Discrete Applied Mathematics, 2009, 157, 2763-2772.	0.5	7
87	Optimal Quaternary Constant-Weight Codes With Weight Four and Distance Five. IEEE Transactions on Information Theory, 2013, 59, 1617-1629.	1.5	7
88	Hanani triple packings and optimal q -ary codes of constant weight three. Designs, Codes, and Cryptography, 2015, 75, 387-403.	1.0	7
89	New pseudo-planar binomials in characteristic two and related schemes. Designs, Codes, and Cryptography, 2015, 76, 345-360.	1.0	7
90	Completely reducible super-simple designs with block size five and index two. Designs, Codes, and Cryptography, 2015, 76, 589-600.	1.0	7

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91	Deterministic convolutional compressed sensing matrices. Finite Fields and Their Applications, 2016, 42, 102-117.	0.6	7
92	Perfect and Quasi-Perfect Codes Under the L_p Metric. IEEE Transactions on Information Theory, 2017, 63, 4325-4331.	1.5	7
93	Existence of holey LSSOM of type $2n$ with application to G_7 -packings of K_v . Journal of Statistical Planning and Inference, 2001, 94, 211-218.	0.4	6
94	Resolvable group divisible designs with block size four and index three. Discrete Mathematics, 2006, 306, 52-65.	0.4	6
95	Kirkman frames having hole type h u m 1 for small h . Designs, Codes, and Cryptography, 2007, 45, 157-184.	1.0	6
96	Group divisible designs with block sizes from K . Designs, Codes, and Cryptography, 2007, 45, 157-184.	0.4	6
97	Kirkman frames of type $(u, m, 1, h)$. Designs, Codes, and Cryptography, 2007, 45, 157-184.	0.4	6
97	Group divisible designs with block sizes from K . Discrete Mathematics, 2017, 340, 201-208.	0.4	6
98	Sparse hypergraphs: New bounds and constructions. Journal of Combinatorial Theory Series B, 2021, 147, 96-132.	0.6	6
99	Optimal Fraction Repetition Codes for Access-Balancing in Distributed Storage. IEEE Transactions on Information Theory, 2021, 67, 1630-1640.	1.5	6
100	Whist tournaments with the three person property. Discrete Applied Mathematics, 2004, 138, 265-276.	0.5	5
101	Resolvable balanced incomplete block designs with subdesigns of block size 4. Discrete Mathematics, 2008, 308, 2674-2703.	0.4	5
102	Optimal constant weight covering codes and nonuniform group divisible 3-designs with block size four. Designs, Codes, and Cryptography, 2012, 62, 143-160.	1.0	5
103	Some New Results on Cyclic Patterned Starter Whist Tournaments and Related Frames. Journal of Combinatorial Designs, 2013, 21, 181-203.	0.3	5
104	The Existence of Well-Balanced Triple Systems. Journal of Combinatorial Designs, 2016, 24, 77-100.	0.3	5
105	New upper bounds for parent-identifying codes and traceability codes. Designs, Codes, and Cryptography, 2018, 86, 1727-1737.	1.0	5
106	New bounds on the field size for maximally recoverable codes instantiating grid-like topologies. Journal of Algebraic Combinatorics, 2021, 54, 529-557.	0.4	5
107	Existence of three-person whist tournaments with the three person property. Journal of Combinatorial Designs, 2013, 21, 181-203.	0.5	4
108	A Systematic Construction for Radar Arrays. IEEE Transactions on Information Theory, 2008, 54, 410-414.	1.5	4

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109	Quaternary Constant-Composition Codes With Weight 4 and Distances 5 or 6. IEEE Transactions on Information Theory, 2012, 58, 6012-6022.	1.5	4
110	Some more 5-GDDs, 4-frames and 4-RGDDs. Discrete Mathematics, 2014, 336, 7-21.	0.4	4
111	A Complete Solution to Spectrum Problem for Five-Vertex Graphs with Application to Traffic Grooming in Optical Networks. Journal of Combinatorial Designs, 2015, 23, 233-273.	0.3	4
112	Snake-in-the-Box Codes for Rank Modulation under Kendall's τ -Metric in S_{2n+2} . IEEE Transactions on Information Theory, 2016, 62, 4814-4818.	1.5	4
113	Uniformly resolvable designs with block sizes 3 and 4. Discrete Mathematics, 2016, 339, 1069-1085.	0.4	4
114	Some results on k -Turán-good graphs. Discrete Mathematics, 2021, 344, 112509.	0.4	4
115	Some sum-product estimates in matrix rings over finite fields. Finite Fields and Their Applications, 2022, 79, 101997.	0.6	4
116	A systematic approach to some block design constructions. Journal of Combinatorial Theory - Series A, 2004, 108, 89-97.	0.5	3
117	Mandatory representation designs $MRD(\{4, k\}; v)$ with $k \equiv 1 \pmod{3}$. Discrete Mathematics, 2004, 275, 319-329.	0.4	3
118	GOB designs for authentication codes with arbitration. Designs, Codes, and Cryptography, 2006, 40, 303-317.	1.0	3
119	General frame constructions for Z -cyclic triplewhist tournaments. Journal of Combinatorial Theory - Series A, 2007, 114, 747-760.	0.5	3
120	Triplewhist tournaments with the three person property. Journal of Combinatorial Theory - Series A, 2007, 114, 1438-1455.	0.5	3
121	Existence of directed triplewhist tournaments with the three person property $\langle \mathbb{Z}_3 \times \mathbb{Z}_3 \rangle$. Discrete Applied Mathematics, 2008, 156, 2655-2665.	0.5	3
122	The Existence of $r \times 4$ Grid-Block Designs with $r=3, 4$. SIAM Journal on Discrete Mathematics, 2009, 23, 1045-1062.	0.4	3
123	Graph designs for the eight-edge five-vertex graphs. Discrete Mathematics, 2009, 309, 6440-6445.	0.4	3
124	Spectrum of Sizes for Perfect Deletion-Correcting Codes. SIAM Journal on Discrete Mathematics, 2010, 24, 33-55.	0.4	3
125	Necessary conditions and frame constructions for Z -cyclic patterned starter whist tournaments. Discrete Applied Mathematics, 2012, 160, 2188-2198.	0.5	3
126	4 -GDDs and Related Optimal Quaternary Constant-Weight Codes. Journal of Combinatorial Designs, 2012, 20, 509-526.	0.3	3

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127	New Lower Bounds for Secure Codes and Related Hash Families: A Hypergraph Theoretical Approach. IEEE Transactions on Information Theory, 2017, 63, 2446-2453.	1.5	3
128	Combinatorial constructions of packings in Grassmannian spaces. Designs, Codes, and Cryptography, 2018, 86, 803-815.	1.0	3
129	A new piggybacking design for systematic MDS storage codes. Designs, Codes, and Cryptography, 2019, 87, 2753-2770.	1.0	3
130	Improved lower bounds on the degree-diameter problem. Journal of Algebraic Combinatorics, 2019, 49, 135-146.	0.4	3
131	Color Isomorphic Even Cycles and a Related Ramsey Problem. SIAM Journal on Discrete Mathematics, 2020, 34, 1999-2008.	0.4	3
132	Existence of Z-cyclic 3PDTWh(p) for Prime $p \equiv 1 \pmod{4}$. Designs, Codes, and Cryptography, 2007, 45, 139-155.	1.0	2
133	Frame self-orthogonal Mendelsohn triple systems of type (n, k, λ) . Discrete Mathematics, 2008, 308, 5049-5063.	0.4	2
134	The existence of generalized mix functions. Designs, Codes, and Cryptography, 2009, 50, 107-113.	1.0	2
135	H-designs with the properties of resolvability or $(1, 2)$ -resolvability. Designs, Codes, and Cryptography, 2010, 57, 225-256.	1.0	2
136	A Complete Generalization of Clatworthy Group Divisible Designs. SIAM Journal on Discrete Mathematics, 2011, 25, 1547-1561.	0.4	2
137	Optical grooming with grooming ratio nine. Discrete Mathematics, 2011, 311, 8-15.	0.4	2
138	A new existence proof for Steiner quadruple systems. Designs, Codes, and Cryptography, 2013, 69, 65-76.	1.0	2
139	Optimal ternary constant-composition codes with weight four and distance six. Discrete Mathematics, 2015, 338, 72-87.	0.4	2
140	A strengthened inequality of Alon-Babai-Suzuki's conjecture on set systems with restricted intersections modulo p . Discrete Mathematics, 2018, 341, 109-118.	0.4	2
141	Some intriguing upper bounds for separating hash families. Science China Mathematics, 2019, 62, 269-282.	0.8	2
142	Maximum subsets of \mathbb{F}_q^n containing no right angles. Journal of Algebraic Combinatorics, 2020, 52, 455-460.	0.4	2
143	New constructions of Sidon spaces. Journal of Algebraic Combinatorics, 2022, 55, 781-794.	0.4	2
144	A note on multicolor Ramsey number of small odd cycles versus a large clique. Discrete Mathematics, 2022, 345, 112823.	0.4	2

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145	On the existence of Room frames of type $2nu1$. Journal of Statistical Planning and Inference, 2001, 94, 219-230.	0.4	1
146	Constructions of Quad-Rooted Double Covers. Graphs and Combinatorics, 2005, 21, 231-238.	0.2	1
147	Maximal resolvable packings and minimal resolvable coverings of triples by quadruples. Journal of Combinatorial Designs, 2010, 18, 209-223.	0.3	1
148	Monotonic Directed Designs. SIAM Journal on Discrete Mathematics, 2010, 24, 218-238.	0.4	1
149	Room squares with super-simple property. Designs, Codes, and Cryptography, 2014, 71, 365-381.	1.0	1
150	Kirkman frames having hole type $h^u m^1$ for $h \equiv 0 \pmod{12}$. Designs, Codes, and Cryptography, 2014, 72, 497-510.	1.0	1
151	Optimal Groomings with Grooming Ratios Six and Seven. Journal of Combinatorial Designs, 2015, 23, 400-415.	0.3	1
152	Fourth Power Residue Double Circulant Self-Dual Codes. IEEE Transactions on Information Theory, 2015, 61, 4243-4252.	1.5	1
153	Group divisible covering designs with block size four. Journal of Combinatorial Designs, 2018, 26, 101-118.	0.3	1
154	On $(mn, \hat{A}n, \hat{A}m)$ relative difference sets with $\text{gcd}(m, n) = 1$. Journal of Algebraic Combinatorics, 2018, 48, 565-579.	0.4	1
155	New theoretical bounds and constructions of permutation codes under block permutation metric. Designs, Codes, and Cryptography, 2019, 87, 2625-2637.	1.0	1
156	Erdős-Falconer Distance Problem under Hamming Metric in Vector Spaces over Finite Fields. SIAM Journal on Discrete Mathematics, 2020, 34, 2208-2220.	0.4	1
157	Some tight lower bounds for Turán problems via constructions of multi-hypergraphs. European Journal of Combinatorics, 2020, 89, 103161.	0.5	1
158	New Bounds and Constructions for Constant Weighted X-Codes. IEEE Transactions on Information Theory, 2021, 67, 2181-2191.	1.5	1
159	Inverse problems of the Erdős-Ko-Rado type theorems for families of vector spaces and permutations. Science China Mathematics, 0, 1.	0.8	1
160	New Results on Self-Dual Generalized Reed-Solomon Codes. IEEE Transactions on Information Theory, 2021, 67, 7240-7252.	1.5	1
161	Some extremal results on hypergraph Turán problems. Science China Mathematics, 2022, 65, 1765-1774.	0.8	1
162	On color isomorphic subdivisions. Discrete Mathematics, 2022, 345, 112805.	0.4	1

