

Patric R J Å-stergÅ¥rd

List of Publications by Year in descending order

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84
papers

783
citations

566801

15
h-index

642321

23
g-index

84
all docs

84
docs citations

84
times ranked

410
citing authors

#	ARTICLE	IF	CITATIONS
1	EXISTENCE OF t -ANALOGS OF STEINER SYSTEMS. Forum of Mathematics, Pi, 2016, 4, .	1.1	48
2	The Steiner triple systems of order 19. Mathematics of Computation, 2004, 73, 2075-2093.	1.1	43
3	The number of Latin squares of order 11. Mathematics of Computation, 2011, 80, 1197-1197.	1.1	39
4	Title is missing!. Designs, Codes, and Cryptography, 2001, 23, 333-342.	1.0	37
5	On the Classification of MDS Codes. IEEE Transactions on Information Theory, 2015, 61, 6485-6492.	1.5	28
6	Classification of Binary Constant Weight Codes. IEEE Transactions on Information Theory, 2010, 56, 3779-3785.	1.5	26
7	Classifying Subspaces of Hamming Spaces. Designs, Codes, and Cryptography, 2002, 27, 297-305.	1.0	25
8	The Perfect Binary One-Error-Correcting Codes of Length 15: Part II – Properties. IEEE Transactions on Information Theory, 2010, 56, 2571-2582.	1.5	25
9	Constructing covering codes by tabu search. Journal of Combinatorial Designs, 1997, 5, 71-80.	0.3	23
10	Resolving the Existence of Full-Rank Tilings of Binary Hamming Spaces. SIAM Journal on Discrete Mathematics, 2004, 18, 382-387.	0.4	23
11	Football Pools – A Game for Mathematicians. American Mathematical Monthly, 1995, 102, 579.	0.2	21
12	There are 1,132,835,421,602,062,347 nonisomorphic one-factorizations of K_{14} . Journal of Combinatorial Designs, 2009, 17, 147-159.	0.3	20
13	Permutation codes invariant under isometries. Designs, Codes, and Cryptography, 2015, 75, 497-507.	1.0	20
14	Properties of the Steiner Triple Systems of Order 19. Electronic Journal of Combinatorics, 2010, 17, .	0.2	19
15	Planar Hypohamiltonian Graphs on 40 Vertices. Journal of Graph Theory, 2017, 84, 121-133.	0.5	18
16	There are exactly five biplanes with $k=11$. Journal of Combinatorial Designs, 2008, 16, 117-127.	0.3	17
17	Enumeration of Seidel matrices. European Journal of Combinatorics, 2018, 69, 169-184.	0.5	15
18	A New Table of Binary/Ternary Mixed Covering Codes. Designs, Codes, and Cryptography, 1997, 11, 151-178.	1.0	14

#	ARTICLE	IF	CITATIONS
37	Two optimal one-error-correcting codes of length 13 that are not doubly shortened perfect codes. Designs, Codes, and Cryptography, 2011, 59, 281-285.	1.0	7
38	The quaternary complex Hadamard matrices of orders 10, 12, and 14. Discrete Mathematics, 2013, 313, 189-206.	0.4	7
39	New lower bounds for the Shannon capacity of odd cycles. Designs, Codes, and Cryptography, 2017, 84, 13-22.	1.0	7
40	Russian doll search for the Steiner triple covering problem. Optimization Letters, 2011, 5, 631-638.	0.9	6
41	Constructing covering codes by tabu search. , 1997, 5, 71.		6
42	On Binary/Ternary Error-Correcting Codes with Minimum Distance 4. Lecture Notes in Computer Science, 1999, , 472-481.	1.0	6
43	There exists no (15,5,4) RBIBD. Journal of Combinatorial Designs, 2001, 9, 227-232.	0.3	5
44	Two New Four-Error-Correcting Binary Codes. Designs, Codes, and Cryptography, 2005, 36, 327-329.	1.0	5
45	Bounds for Covering Codes over Large Alphabets. Designs, Codes, and Cryptography, 2005, 37, 45-60.	1.0	5
46	New Uniquely Decodable Codes for the \mathbb{Z}_3 -User Binary Adder Channel With \mathbb{Z}_5 . IEEE Transactions on Information Theory, 2007, 53, 1219-1220.	1.5	5
47	Enumerating Cube Tilings. Discrete and Computational Geometry, 2013, 50, 1112-1122.	0.4	5
48	Counting Hamiltonian cycles in bipartite graphs. Mathematics of Computation, 2013, 83, 979-995.	1.1	5
49	Orderly generation of Butson Hadamard matrices. Mathematics of Computation, 2019, 89, 313-331.	1.1	5
50	ELEMENTARY p -GROUPS WITH THE \mathbb{Z}_p -DEI PROPERTY. International Journal of Algebra and Computation, 2007, 17, 171-178.	0.4	4
51	On the Size of Optimal Three-Error-Correcting Binary Codes of Length 16. IEEE Transactions on Information Theory, 2011, 57, 6824-6826.	1.5	4
52	Enumerating Perfect Matchings in n -Cubes. Order, 2013, 30, 821-835.	0.3	4
53	Enumeration of Steiner triple systems with subsystems. Mathematics of Computation, 2015, 84, 3051-3067.	1.1	4
54	Kirkman triple systems with subsystems. Discrete Mathematics, 2020, 343, 111960.	0.4	4

#	ARTICLE	IF	CITATIONS
55	Classification of resolvable balanced incomplete block designs â€” the unitals on 28 points. <i>Mathematica Slovaca</i> , 2009, 59, .	0.3	3
56	Steiner triple systems satisfying the 4-vertex condition. <i>Designs, Codes, and Cryptography</i> , 2012, 62, 323-330.	1.0	3
57	On the maximum length of coil-in-the-box codes in dimension 8. <i>Discrete Applied Mathematics</i> , 2014, 179, 193-200.	0.5	3
58	A Note on Toeplitzâ€™ Conjecture. <i>Discrete and Computational Geometry</i> , 2014, 51, 722-728.	0.4	3
59	New Lower Bounds on Error-Correcting Ternary, Quaternary and Quinary Codes. <i>Lecture Notes in Computer Science</i> , 2017, , 228-237.	1.0	3
60	Classification of Cyclic Steiner Quadruple Systems. <i>Journal of Combinatorial Designs</i> , 2017, 25, 103-121.	0.3	3
61	On the structure of small strengthâ€2 covering arrays. <i>Journal of Combinatorial Designs</i> , 2020, 28, 5-24.	0.3	3
62	Sperner capacity of small digraphs. <i>Advances in Mathematics of Communications</i> , 2009, 3, 125-133.	0.4	3
63	Enumeration of 2-(9, 3, 1) Designs and Their Resolutions. <i>Designs, Codes, and Cryptography</i> , 2002, 27, 131-137.	1.0	2
64	A Covering Problem for Tori. <i>Annals of Combinatorics</i> , 2003, 7, 357-363.	0.3	2
65	There exist non-isomorphic STS(19) with equivalent point codes. <i>Journal of Combinatorial Designs</i> , 2004, 12, 443-448.	0.3	2
66	Near-Extremal Formally Self-Dual Even Codes of Lengths 24 and 32. <i>Designs, Codes, and Cryptography</i> , 2005, 37, 465-471.	1.0	2
67	SMALL p-GROUPS WITH FULL-RANK FACTORIZATION. <i>International Journal of Algebra and Computation</i> , 2008, 18, 1019-1034.	0.4	2
68	On optimal binary codes with unbalanced coordinates. <i>Applicable Algebra in Engineering, Communications and Computing</i> , 2013, 24, 197-200.	0.3	2
69	Classification of MDS Codes over Small Alphabets. <i>CIM Series in Mathematical Sciences</i> , 2015, , 227-235.	0.4	2
70	Exhaustive Search for Snake-in-the-Box Codes. <i>Graphs and Combinatorics</i> , 2015, 31, 1019-1028.	0.2	2
71	Algorithms for finding maximum transitive subtournaments. <i>Journal of Combinatorial Optimization</i> , 2016, 31, 802-814.	0.8	2
72	Constructing error-correcting binary codes using transitive permutation groups. <i>Discrete Applied Mathematics</i> , 2017, 233, 65-70.	0.5	2

#	ARTICLE	IF	CITATIONS
73	There is no McLaughlin geometry. <i>Journal of Combinatorial Theory - Series A</i> , 2018, 155, 27-41.	0.5	2
74	The sextuply shortened binary Golay code is optimal. <i>Designs, Codes, and Cryptography</i> , 2019, 87, 341-347.	1.0	2
75	Sparse Steiner triple systems of order 21. <i>Journal of Combinatorial Designs</i> , 2021, 29, 75-83.	0.3	2
76	A $2-(22, 8, 4)$ Design Cannot Have a $2-(10, 4, 4)$ Subdesign. <i>Designs, Codes, and Cryptography</i> , 2002, 27, 257-260.	1.0	1
77	On the minimum size of binary codes with length $2R + 4$ and covering radius R . <i>Designs, Codes, and Cryptography</i> , 2008, 48, 165-169.	1.0	1
78	New Results on Tripod Packings. <i>Discrete and Computational Geometry</i> , 2019, 61, 271-284.	0.4	1
79	Quaternary complex Hadamard matrices of order 18. <i>Journal of Combinatorial Designs</i> , 2021, 29, 129-140.	0.3	1
80	Binary Two-Error-Correcting Codes are Better than Quaternary. <i>Applicable Algebra in Engineering, Communications and Computing</i> , 2003, 14, 89-96.	0.3	0
81	Switching of covering codes. <i>Discrete Mathematics</i> , 2018, 341, 1778-1788.	0.4	0
82	New lower bounds on q -ary error-correcting codes. <i>Cryptography and Communications</i> , 2019, 11, 881-889.	0.9	0
83	Equivalence of Butson-type Hadamard matrices. <i>Journal of Algebraic Combinatorics</i> , 0, , 1.	0.4	0
84	Algorithms and complexity for counting configurations in Steiner triple systems. <i>Journal of Combinatorial Designs</i> , 0, , .	0.3	0