

Derek H Smith

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6285060/publications.pdf>

Version: 2024-02-01

26
papers

246
citations

1040018

9
h-index

996954

15
g-index

26
all docs

26
docs citations

26
times ranked

167
citing authors

#	ARTICLE	IF	CITATIONS
1	A new table of permutation codes. Designs, Codes, and Cryptography, 2012, 63, 241-253.	1.6	40
2	Linear and nonlinear constructions of DNA codes with Hamming distance d , constant GC-content and a reverse-complement constraint. Discrete Mathematics, 2012, 312, 1062-1075.	0.7	29
3	Heuristic manipulation, tabu search and frequency assignment. Computers and Operations Research, 2010, 37, 543-551.	4.0	26
4	Thermodynamic Post-Processing versus GC-Content Pre-Processing for DNA Codes Satisfying the Hamming Distance and Reverse-Complement Constraints. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2014, 11, 441-452.	3.0	19
5	Construction of Constant GC-Content DNA Codes via a Variable Neighbourhood Search Algorithm. Mathematical Modelling and Algorithms, 2008, 7, 311-326.	0.5	18
6	Heuristic Algorithms for Constructing Binary Constant Weight Codes. IEEE Transactions on Information Theory, 2009, 55, 4651-4656.	2.4	15
7	Exploiting Spatial Separations in CDMA Systems With Correlation Constrained Sets of Hadamard Matrices. IEEE Transactions on Information Theory, 2010, 56, 5757-5761.	2.4	14
8	Linear and nonlinear constructions of DNA codes with Hamming distance d and constant G -content. Discrete Mathematics, 2011, 311, 1207-1219.	0.7	14
9	Gold codes, Hadamard partitions and the security of CDMA systems. Designs, Codes, and Cryptography, 2009, 51, 231-243.	1.6	10
10	Permutation codes with specified packing radius. Designs, Codes, and Cryptography, 2013, 69, 95-106.	1.6	10
11	A branch and bound approach to permutation codes. , 2014, , .		9
12	The Use of an Exact Algorithm within a Tabu Search Maximum Clique Algorithm. Algorithms, 2020, 13, 253.	2.1	6
13	The Design of Permutation Codes via a Specialized Maximum Clique Algorithm. , 2015, , .		5
14	Measuring the Effectiveness of Frequency Assignment Algorithms. IEEE Transactions on Vehicular Technology, 2007, 56, 331-341.	6.3	4
15	The Assignment of CDMA Spreading Codes Constructed from Hadamard Matrices and Almost Bent Functions. Wireless Personal Communications, 2013, 72, 2215-2227.	2.7	4
16	Solving the maximum clique problem with a hybrid algorithm. International Journal of Metaheuristics, 2019, 7, 152.	0.1	4
17	Channel Loading in Private Mobile Radio Networks. Annals of Operations Research, 2001, 107, 211-224.	4.1	3
18	Permutation codes via fragmentation of group orbits. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
19	Decoding mixed errors and erasures in permutation codes. Designs, Codes, and Cryptography, 2015, 74, 481-493.	1.6	3
20	Graph Colouring and Branch and Bound Approaches for Permutation Code Algorithms. Advances in Intelligent Systems and Computing, 2016, , 223-232.	0.6	3
21	Cyclically permutable representations of cyclic codes. Discrete Applied Mathematics, 2008, 156, 76-81.	0.9	2
22	The Construction of Variable Length Codes With Good Synchronization Properties. IEEE Transactions on Information Theory, 2009, 55, 1696-1700.	2.4	2
23	Some Constant Weight Codes from Primitive Permutation Groups. Electronic Journal of Combinatorics, 2012, 19, .	0.4	2
24	Channel models and error correction codes for DNA information storage. International Journal of Information and Coding Theory, 2015, 3, 120.	0.3	1
25	Correlations Between Experimentally-Determined Melting Temperatures and GC-Content for Short DNA Strands. Current Bioinformatics, 2017, 12, .	1.5	0
26	Maximum Independent Sets and Supervised Learning. Journal of the Operations Research Society of China, 0, , .	1.4	0