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List of Publications by Year in descending order

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82
papers

716
citations

471509

17
h-index

713466

21
g-index

88
all docs

88
docs citations

88
times ranked

298
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Double Roman Domination in Generalized Petersen Graphs $P(5k, k)$. Mathematics, 2022, 10, 119.	2.2	2
2	Clustering as a dual problem to colouring. Computational and Applied Mathematics, 2022, 41, 1.	2.2	0
3	Double Roman Domination in Generalized Petersen Graphs $P(ck, k)$. Symmetry, 2022, 14, 1121.	2.2	5
4	Double Roman Graphs in $P(3k, k)$. Mathematics, 2021, 9, 336.	2.2	5
5	On 2-Rainbow Domination Number of Generalized Petersen Graphs $P(5k, k)$. Symmetry, 2021, 13, 809.	2.2	4
6	On sufficient properties of sufficient matrices. Central European Journal of Operations Research, 2021, 29, 809-822.	1.8	3
7	Methodologies and applications for resilient global development from the aspect of SDI-SOR special issues of CJOR. Central European Journal of Operations Research, 2021, 29, 773-790.	1.8	1
8	Real forms of the complex Neumann system: A method for finding real roots of polynomial $x^4 + Sx^3 + Ux^2 + Vx + W = 0$ where $S, U, V, W \in \mathbb{C}$. Journal of Computational and Applied Mathematics, 2021, 390, 113362.	2.0	0
9	On 3-Rainbow Domination Number of Generalized Petersen Graphs $P(6k, k)$. Symmetry, 2021, 13, 1860.	2.2	3
10	A new application of the generalized traveling salesman problem in industry 4.0 and 5.0. Multiple Criteria Decision Making, 2021, 16, 153-163.	0.1	0
11	Multiple Hungarian Method for k -Assignment Problem. Mathematics, 2020, 8, 2050.	2.2	11
12	Independent Rainbow Domination Numbers of Generalized Petersen Graphs $P(n, 2)$ and $P(n, 3)$. Mathematics, 2020, 8, 996.	2.2	8
13	A stochastic model for better planning of product flow in retail supply chains. Journal of the Operational Research Society, 2019, 70, 1900-1914.	3.4	4
14	Networks with Extremal Closeness. Fundamenta Informaticae, 2019, 167, 219-234.	0.4	4
15	The 2-Rainbow Domination Numbers of $C_4 \boxtimes C_n$ and $C_8 \boxtimes C_n$. The National Academy of Sciences, India, 2019, 42, 411-418.	1.3	6
16	More Results on the Domination Number of Cartesian Product of Two Directed Cycles. Mathematics, 2019, 7, 210.	2.2	4
17	On 2-rainbow domination of generalized Petersen graphs. Discrete Applied Mathematics, 2019, 257, 370-384.	0.9	17
18	Independent Rainbow Domination of Graphs. Bulletin of the Malaysian Mathematical Sciences Society, 2019, 42, 417-435.	0.9	15

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19	Robust optimisation metaheuristics for the inventory - allocation problem. Multiple Criteria Decision Making, 2019, 14, 128-143.	0.1	0
20	Discharging Approach for Double Roman Domination in Graphs. IEEE Access, 2018, 6, 63345-63351.	4.2	19
21	Elementary methods for computation of quartiles. Teaching Statistics, 2017, 39, 88-91.	0.9	4
22	Improving approximation by switching between two error functions. Croatian Operational Research Review, 2017, 8, 107-118.	0.4	0
23	Improved approximation of spatial light distribution. PLoS ONE, 2017, 12, e0176252.	2.5	3
24	Editorial for the special issue: "Novel solutions or novel approaches in Operational Research" Business Systems Research, 2016, 7, 1-4.	1.2	0
25	Heuristics for NP-hard optimization problems - simpler is better!?. Logistics & Sustainable Transport, 2015, 6, 1-10.	1.5	24
26	Perfect codes in direct graph bundles. Information Processing Letters, 2015, 115, 707-711.	0.6	2
27	Improved upper bounds for vertex and edge fault diameters of Cartesian graph bundles. Discrete Applied Mathematics, 2015, 181, 90-97.	0.9	3
28	Function fitting the symmetric radiation pattern of a LED with attached secondary optic. Optics Express, 2014, 22, 29587.	3.4	5
29	On rainbow domination numbers of graphs. Information Sciences, 2014, 254, 225-234.	6.9	29
30	Mixed fault diameter of Cartesian graph bundles. Discrete Applied Mathematics, 2013, 161, 1726-1733.	0.9	9
31	Wide-diameter of Product Graphs. Fundamenta Informaticae, 2013, 125, 153-160.	0.4	2
32	Cyclic bundle Hamiltonicity. International Journal of Computer Mathematics, 2012, 89, 129-136.	1.8	1
33	An experimental comparison of some heuristics for cardinality constrained bin packing problem. Business Systems Research, 2012, 3, 57-63.	1.2	1
34	Editorial for. Business Systems Research, 2012, 3, 4-5.	1.2	1
35	1-Local 7/5-Competitive Algorithm for Multicoloring Hexagonal Graphs. Algorithmica, 2012, 64, 564-583.	1.3	2
36	Simpler multicoloring of triangle-free hexagonal graphs. Discrete Mathematics, 2012, 312, 181-187.	0.7	3

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37	A linear time algorithm for 7-[3]coloring triangle-free hexagonal graphs. Information Processing Letters, 2012, 112, 567-571.	0.6	1
38	Roman Domination Number of the Cartesian Products of Paths and Cycles. Electronic Journal of Combinatorics, 2012, 19, .	0.4	23
39	Constructive heuristics for the canister filling problem. Central European Journal of Operations Research, 2011, 19, 371-389.	1.8	4
40	Wide diameter of Cartesian graph bundles. Discrete Mathematics, 2010, 310, 1697-1701.	0.7	8
41	1-local 7/5-competitive Algorithm for Multicoloring Hexagonal Graphs. Electronic Notes in Discrete Mathematics, 2010, 36, 375-382.	0.4	3
42	2-local 7/6-competitive algorithm for multicolouring a sub-class of hexagonal graphs. International Journal of Computer Mathematics, 2010, 87, 2003-2013.	1.8	3
43	(\hat{a} , \hat{b} , k)-ROUTING ON PLANE GRIDS. Journal of Interconnection Networks, 2009, 10, 27-57.	1.0	0
44	Edge, vertex and mixed fault diameters. Advances in Applied Mathematics, 2009, 43, 231-238.	0.7	8
45	Hamilton cycles in graph bundles over a cycle with tree as a fibre. Discrete Mathematics, 2009, 309, 5432-5436.	0.7	6
46	The edge fault-diameter of Cartesian graph bundles. European Journal of Combinatorics, 2009, 30, 1054-1061.	0.8	10
47	Modeling the Surfactant Uptake in Cross-Linked DNA Gels. Journal of Dispersion Science and Technology, 2009, 30, 954-960.	2.4	0
48	The fault-diameter of Cartesian products. Advances in Applied Mathematics, 2008, 40, 98-106.	0.7	8
49	Perfect codes in direct products of cycles – a complete characterization. Advances in Applied Mathematics, 2008, 41, 197-205.	0.7	18
50	A contribution to environmentally friendly winter road maintenance: Optimizing road de-icing. Transportation Research, Part D: Transport and Environment, 2008, 13, 340-346.	6.8	16
51	Weak reconstruction of strong product graphs. Discrete Mathematics, 2007, 307, 641-649.	0.7	7
52	Fault-diameter of Cartesian graph bundles. Information Processing Letters, 2006, 100, 47-51.	0.6	18
53	An optimal message routing algorithm for circulant networks. Journal of Systems Architecture, 2006, 52, 298-306.	4.3	23
54	An almost complete description of perfect codes in direct products of cycles. Advances in Applied Mathematics, 2006, 37, 2-18.	0.7	15

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55	On domination numbers of graph bundles. Journal of Applied Mathematics and Computing, 2006, 22, 39-48.	2.5	6
56	2-local -competitive algorithm for multicoloring hexagonal graphs. Journal of Algorithms, 2005, 55, 29-41.	0.9	26
57	The obnoxious center problem on weighted cactus graphs. Discrete Applied Mathematics, 2004, 136, 377-386.	0.9	26
58	Behzad-Vizing conjecture and Cartesian product graphs. Electronic Notes in Discrete Mathematics, 2004, 17, 297-300.	0.4	4
59	2-local 5/4-competitive algorithm for multicoloring triangle-free hexagonal graphs. Information Processing Letters, 2004, 90, 239-246.	0.6	20
60	Permutation routing in double-loop networks: design and empirical evaluation. Journal of Systems Architecture, 2003, 48, 387-402.	4.3	10
61	Algorithm for recognizing Cartesian graph bundles. Discrete Applied Mathematics, 2002, 120, 275-302.	0.9	18
62	Counterexamples to the uniform shortest path routing conjecture for vertex-transitive graphs. Discrete Applied Mathematics, 2002, 119, 281-286.	0.9	4
63	Improved lower bound on the Shannon capacity of C7. Information Processing Letters, 2002, 81, 277-282.	0.6	20
64	Finding a five bicolouring of a triangle-free subgraph of the triangular lattice. Discrete Mathematics, 2002, 244, 103-108.	0.7	15
65	Unique square property and fundamental factorizations of graph bundles. Discrete Mathematics, 2002, 244, 551-561.	0.7	9
66	On recognizing Cartesian graph bundles. Discrete Mathematics, 2001, 233, 381-391.	0.7	11
67	On the linearK-arboricity of cubic graphs. International Journal of Computer Mathematics, 2000, 75, 431-444.	1.8	3
68	Recognizing weighted directed cartesian graph bundles. Discussiones Mathematicae - Graph Theory, 2000, 20, 39.	0.3	6
69	Szeged Index of Symmetric Graphs. Journal of Chemical Information and Computer Sciences, 1999, 39, 77-80.	2.8	16
70	Deriving formulas for domination numbers of fasciagraphs and rotagraphs. Lecture Notes in Computer Science, 1999, , 559-568.	1.3	15
71	The independence number of the strong product of odd cycles. Discrete Mathematics, 1998, 182, 333-336.	0.7	10
72	Distance-related invariants on polygraphs. Discrete Applied Mathematics, 1997, 80, 57-71.	0.9	8

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73	Recognizing Cartesian graph bundles. Discrete Mathematics, 1997, 167-168, 393-403.	0.7	19
74	On the weak reconstruction of Cartesian-product graphs. Discrete Mathematics, 1996, 150, 167-178.	0.7	9
75	Algebraic approach to fasciagraphs and rotagraphs. Discrete Applied Mathematics, 1996, 68, 93-100.	0.9	31
76	Fast computation of the Wiener index of fasciagraphs and rotagraphs. Journal of Chemical Information and Computer Sciences, 1995, 35, 834-840.	2.8	17
77	Weights on Edges of Chemical Graphs Determined by Paths. Journal of Chemical Information and Computer Sciences, 1994, 34, 395-397.	2.8	8
78	A randomized algorithm for k-colorability. Discrete Mathematics, 1994, 131, 379-393.	0.7	7
79	Factoring cartesian-product graphs. Journal of Graph Theory, 1994, 18, 557-567.	0.9	22
80	A counterexample to conjecture of Barefoot, Harary, and Jones. Graphs and Combinatorics, 1993, 9, 205-207.	0.4	4
81	Distributed simulation of coloring graph vertices. ACM SIGSIM Simulation Digest, 1991, 21, 118-122.	0.1	0
82	The Hosoya Polynomial of Double Weighted Graphs. , 0, , .		0