Zbigniew R Bogdanowicz

List of Publications by Year
in descending order

32 papers	281 citations	1040056 9 h-index	940533 16 g-index
32 all docs	32 docs citations	32 times ranked	178 citing authors

#	Article	IF	Citations
1	Capacity performance of dynamic provisioning in optical networks. Journal of Lightwave Technology, 2001, 19, 40-48.	4.6	74
2	Optimization of Weapon–Target Pairings Based on Kill Probabilities. IEEE Transactions on Cybernetics, 2013, 43, 1835-1844.	9.5	45
3	A new efficient algorithm for optimal assignment of smart weapons to targets. Computers and Mathematics With Applications, 2009, 58, 1965-1969.	2.7	34
4	Advanced Input Generating Algorithm for Effect-Based Weapon–Target Pairing Optimization. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2012, 42, 276-280.	2.9	23
5	The number of spanning trees in a prism. International Journal of Computer Mathematics, 1987, 21, 229-243.	1.8	21
6	Flying Swarm of Drones Over Circulant Digraph. IEEE Transactions on Aerospace and Electronic Systems, 2017, 53, 2662-2670.	4.7	18
7	Undirected simple connected graphs with minimum number of spanning trees. Discrete Mathematics, 2009, 309, 3074-3082.	0.7	12
8	Quick Collateral Damage Estimation Based on Weapons Assigned to Targets. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2015, 45, 762-769.	9.3	12
9	Pancyclicity of connected circulant graphs. Journal of Graph Theory, 1996, 22, 167-174.	0.9	10
10	Analysis of backup route reoptimization algorithms for optical shared mesh networks. Mathematical and Computer Modelling, 2004, 40, 1047-1055.	2.0	5
11	On isomorphism between circulant and Cartesian product of 2 cycles. Discrete Applied Mathematics, 2015, 194, 160-162.	0.9	4
12	On decomposition of the Cartesian product of directed cycles into cycles of equal lengths. Discrete Applied Mathematics, 2017, 229, 148-150.	0.9	4
13	Hamilton cycles in circulant digraphs with prescribed number of distinct jumps. Discrete Mathematics, 2009, 309, 2100-2107.	0.7	3
14	On Family of Graphs with Minimum Number of Spanning Trees. Graphs and Combinatorics, 2013, 29, 1647-1652.	0.4	3
15	Chordal 2–Connected Graphs and Spanning Trees. Journal of Graph Theory, 2014, 76, 224-235.	0.9	3
16	On arc reversal in balanced digraphs. Discrete Mathematics, 2011, 311, 435-436.	0.7	2
17	Arc-Disjoint and Edge-Disjoint Hamilton Cycles in Circulants with Two Jumps. Graphs and Combinatorics, 2013, 29, 165-171.	0.4	2
18	Decomposition of circulant digraphs with two jumps into cycles of equal lengths. Discrete Applied Mathematics, 2015, 180, 45-51.	0.9	2

#	Article	IF	Citations
19	Isomorphism between circulants and Cartesian products of cycles. Discrete Applied Mathematics, 2017, 226, 40-43.	0.9	2
20	A new optimal packing algorithm for telecommunications networks planning. Computers and Mathematics With Applications, 1989, 18, 739-744.	2.7	1
21	Properties of optimal survivable paths in a graph. Computers and Mathematics With Applications, 2005, 50, 425-432.	2.7	1
22	Analysis of Optimal Sets of Survivable Paths in Undirected Simple Graph Applicable for Optical Networks. Electronic Notes in Discrete Mathematics, 2005, 22, 1-5.	0.4	0
23	Effect-based weapon-target assignment with minimised collateral damage. International Journal of Operational Research, 2016, 27, 624.	0.2	0
24	Identifying Hamilton cycles in the Cartesian product of directed cycles. AKCE International Journal of Graphs and Combinatorics, 2020, 17, 534-538.	0.7	0
25	Hyper-Hamiltonian circulants. Electronic Journal of Graph Theory and Applications, 2021, 9, 185.	0.2	0
26	On the number of spanning trees in connected cubic circulants. Applied Mathematical Sciences, 0, 9, 6325-6328.	0.1	0
27	Effect-based weapon-target assignment optimization with collateral damage under control. Applied Mathematical Sciences, 0, 10, 519-541.	0.1	0
28	HAMILTONICITY PROPERTIES OF CIRCULANT DIGRAPHS OF SEMIPRIME OR POWER OF PRIME ORDER. Far East Journal of Mathematical Sciences, 2017, 101, 2461-2474.	0.0	0
29	Optimization of persistent land coverage by swarm of drones. Applied Mathematical Sciences, 2018, 12, 1219-1237.	0.1	0
30	Swarm of autonomous unmanned aerial vehicles with 3D deconfliction. , 2018, , .		0
31	CYCLE EXTENDABILITY IN CIRCULANTS. Far East Journal of Mathematical Sciences, 2018, 104, 265-276.	0.0	0
32	On the minimum number of spanning trees in cubic multigraphs. Discussiones Mathematicae - Graph Theory, 2020, 40, 149.	0.3	0