Alexandru Popa

List of Publications by Year
in descending order

53 papers	**255** citations	1163065 **8** h-index	1199563 **12** g-index
59 all docs	**59** docs citations	**59** times ranked	**177** citing authors

#	Article	IF	Citations
1	Fixed Parameter Algorithms and Hardness of Approximation Results for the Structural Target Controllability Problem. Scientific Annals of Computer Science, 2022, XXXII, 109-136.	0.1	0
2	Fixed Parameter Algorithms and Hardness of Approximation Results for the Structural Target Controllability Problem. Scientific Annals of Computer Science, 2022, XXXII, 109-136.	0.1	0
3	Tractable low-delay atomic memory. Distributed Computing, 2021, 34, 33-58.	0.8	2
4	IP solutions for international kidney exchange programmes. Central European Journal of Operations Research, 2021, 29, 403-423.	1.8	11
5	The use of a pruned modular decomposition for Maximum Matching algorithms on some graph classes. Discrete Applied Mathematics, 2021, 291, 201-222.	0.9	3
6	Analysis of lightweight and secure two-factor authentication scheme for wireless body area networks in health-care IoT. , 2021, , .		1
7	A novel algorithm for clearing financial obligations between companies - An application within the Romanian Ministry of economy. Algorithmic Finance, 2021, 9, 49-60.	0.3	2
8	LMAAS-IoT: Lightweight multi-factor authentication and authorization scheme for real-time data access in IoT cloud-based environment. Journal of Network and Computer Applications, 2021, 192, 103177.	9.1	25
9	The b-Matching problem in distance-hereditary graphs and beyond. Discrete Applied Mathematics, 2021, 305, 233-246.	0.9	0
10	On the (di)graphs with (directed) proper connection number two. Discrete Applied Mathematics, 2020, 281, 203-215.	0.9	5
11	The Maximum Equality-Free String Factorization Problem: Gaps vs. No Gaps. Lecture Notes in Computer Science, 2020, , 531-543.	1.3	0
12	Analyzing of LAM-CIoT: Lightweight Authentication Mechanism in Cloud-based IoT Environment. , 2020, , .		3
13	Fully Polynomial FPT Algorithms for Some Classes of Bounded Clique-width Graphs. ACM Transactions on Algorithms, 2019, 15, 1-57.	1.0	26
14	Some Remarks on the Translocation Distance. Procedia Computer Science, 2019, 159, 1757-1766.	2.0	0
15	NewsCompare - A novel application for detecting news influence in a country. SoftwareX, 2019, 10, 100305.	2.6	2
16	An Output-Sensitive Algorithm for the Minimization of 2-Dimensional String Covers. Lecture Notes in Computer Science, 2019, , 536-549.	1.3	1
17	Algorithms for Closest and Farthest String Problems via Rank Distance. Lecture Notes in Computer Science, 2019, , 154-171.	1.3	0
18	The Graceful Chromatic Number for Some Particular Classes of Graphs. , 2019, , .		2

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19	Parameterized Complexity of Asynchronous Border Minimization. Algorithmica, 2019, 81, 201-223.	1.3	0
20	Hardness and approximation of the asynchronous border minimization problem. Discrete Applied Mathematics, 2018, 235, 101-117.	0.9	0
21	Heuristic Algorithms for the Longest Filled Common Subsequence Problem. , 2018, , .		0
22	Extremal Graphs with Respect to the Modified First Zagreb Connection Index. , 2018, , .		15
23	Heuristic Algorithms for the Min-Max Edge 2-Coloring Problem. Lecture Notes in Computer Science, 2018, , 662-674.	1.3	3
24	Better Heuristic Algorithms for the Repetition Free LCS and Other Variants. Lecture Notes in Computer Science, 2018, , 297-310.	1.3	1
25	Fixed Parameter Algorithms and Hardness of Approximation Results for the Structural Target Controllability Problem. Lecture Notes in Computer Science, 2018, , 103-114.	1.3	0
26	On the (di)graphs with (directed) proper connection number two. Electronic Notes in Discrete Mathematics, 2017, 62, 237-242.	0.4	8
27	A Parameterized Study of Maximum Generalized Pattern Matching Problems. Algorithmica, 2016, 75, 1-26.	1.3	6
28	Approximation and hardness results for the maximum edge q-coloring problem. Journal of Discrete Algorithms, 2016, 38-41, 1-8.	0.7	4
29	SOBRA - Shielding Optimization for BRAchytherapy. Lecture Notes in Computer Science, 2016, , 309-320.	1.3	1
30	Min-Sum 2-Paths Problems. Theory of Computing Systems, 2016, 58, 94-110.	1.1	4
31	Enumeration of Steiner triple systems with subsystems. Mathematics of Computation, 2015, 84, 3051-3067.	2.1	4
32	Explaining a Weighted DAG with Few Paths for Solving Genome-Guided Multi-Assembly. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2015, 12, 1345-1354.	3.0	10
33	Algorithmic and Hardness Results for the Colorful Components Problems. Algorithmica, 2015, 73, 371-388.	1.3	7
34	Parameterized Complexity of Asynchronous Border Minimization. Lecture Notes in Computer Science, 2015, , 428-440.	1.3	1
35	The Min-max Edge q-Coloring Problem. Lecture Notes in Computer Science, 2015, , 226-237.	1.3	1
36	The Min-Max Edge q-Coloring Problem. Journal of Graph Algorithms and Applications, 2015, 19, 507-528.	0.4	2

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37	A Unifying Framework for Interactive Programming and Applications toÂCommunicating Peer-to-Peer Systems. Communications in Computer and Information Science, 2015, , 101-112.	0.5	0
38	The Mendelsohn Triple Systems of Order 13. Journal of Combinatorial Designs, 2014, 22, 1-11.	0.6	2
39	Better lower and upper bounds for the minimum rainbow subgraph problem. Theoretical Computer Science, 2014, 543, 1-8.	0.9	6
40	Min-Sum 2-Paths Problems. Lecture Notes in Computer Science, 2014, , 1-11.	1.3	3
41	Algorithmic and Hardness Results for the Colorful Components Problems. Lecture Notes in Computer Science, 2014, , 683-694.	1.3	2
42	Enumerating Cube Tilings. Discrete and Computational Geometry, 2013, 50, 1112-1122.	0.6	5
43	Synthesizing minimal tile sets for complex patterns in the framework of patterned DNA self-assembly. Theoretical Computer Science, 2013, 499, 23-37.	0.9	13
44	Modelling the Power Supply Network â€" Hardness and Approximation. Lecture Notes in Computer Science, 2013, , 62-71.	1.3	6
45	Hardness and Approximation of the Asynchronous Border Minimization Problem. Lecture Notes in Computer Science, 2012, , 164-176.	1.3	1
46	On the Closest String via Rank Distance. Lecture Notes in Computer Science, 2012, , 413-426.	1.3	9
47	Approximating the Rainbow â€" Better Lower and Upper Bounds. Lecture Notes in Computer Science, 2012, , 193-203.	1.3	2
48	Maximum subset intersection. Information Processing Letters, 2011, 111, 323-325.	0.6	16
49	Restricted Common Superstring and Restricted Common Supersequence. Lecture Notes in Computer Science, 2011, , 467-478.	1.3	7
50	Approximation and Hardness Results for the Maximum Edge q-coloring Problem. Lecture Notes in Computer Science, 2010, , 132-143.	1.3	4
51	Generalised Matching. Lecture Notes in Computer Science, 2009, , 295-301.	1.3	9
52	Undecidability Results for Finite Interactive Systems. , 2008, , .		2
53	Models and Algorithms for Social Distancing in Order to Stop the Spread of COVID-19. Acta Cybernetica, 0, , .	0.6	0