Grzegorz Stachowiak

List of Publications by Year
in descending order

33 papers	370 citations	1163117 8 h-index	940533 16 g-index
34 all docs	34 docs citations	34 times ranked	137 citing authors

#	Article	IF	Citations
1	Probabilistic Algorithms for the Wakeup Problem in Single-Hop Radio Networks. Lecture Notes in Computer Science, 2002, , 535-549.	1.3	50
2	Distributed Deterministic Broadcasting in Uniform-Power Ad Hoc Wireless Networks. Lecture Notes in Computer Science, 2013, , 195-209.	1.3	30
3	Probabilistic Algorithms for the Wake-Up Problem in Single-Hop Radio Networks. Theory of Computing Systems, 2005, 38, 347-367.	1.1	28
4	Distributed Deterministic Broadcasting in Wireless Networks of Weak Devices. Lecture Notes in Computer Science, 2013, , 632-644.	1.3	28
5	Distributed Randomized Broadcasting in Wireless Networks under the SINR Model. Lecture Notes in Computer Science, 2013, , 373-387.	1.3	27
6	On the impact of geometry on ad hoc communication in wireless networks. , 2014, , .		25
7	Fast Space Optimal Leader Election in Population Protocols. , 2018, , 2653-2667.		23
8	On setting-up asynchronous ad hoc wireless networks. , 2015, , .		16
9	Hamilton Paths in Graphs of Linear Extensions for Unions of Posets. SIAM Journal on Discrete Mathematics, 1992, 5, 199-206.	0.8	15
10	Asynchronous Deterministic Rendezvous on theÂLine. Lecture Notes in Computer Science, 2009, , 497-508.	1.3	14
11	Asynchronous Shared Channel. , 2017, , .		14
12	Almost Logarithmic-Time Space Optimal Leader Election in Population Protocols. , 2019, , .		12
13	The Cost of Synchronizing Multiple-Access Channels. , 2015, , .		10
14	Subquadratic non-adaptive threshold group testing. Journal of Computer and System Sciences, 2020, 111, 42-56.	1.2	9
15	Collecting Weighted Items from a Dynamic Queue. Algorithmica, 2013, 65, 60-94.	1.3	7
16	Fibonacci Correction Networks. Lecture Notes in Computer Science, 2000, , 535-548.	1.3	7
17	Subquadratic Non-adaptive Threshold Group Testing. Lecture Notes in Computer Science, 2017, , 177-189.	1.3	6
18	Enhanced Phase Clocks, Population Protocols, and Fast Space Optimal Leader Election. Journal of the ACM, 2021, 68, 1-21.	2.2	6

#	Article	IF	Citations
19	Deterministic Contention Resolution on a Shared Channel. , 2019, , .		6
20	AÏ•-competitive algorithm for collecting items with increasing weights from a dynamic queue. Theoretical Computer Science, 2013, 475, 92-102.	0.9	5
21	Deterministic Digital Clustering of Wireless Ad Hoc Networks. , 2018, , .		5
22	Online Control Message Aggregation in Chain Networks. Lecture Notes in Computer Science, 2013, , 133-145.	1.3	4
23	The number of linear extensions of bipartite graphs. Order, 1988, 5, 257-259.	0.5	3
24	A relation between the comparability graph and the number of linear extensions. Order, 1989, 6, 241-244.	0.5	2
25	Finding parity difference by involutions. Discrete Mathematics, 1997, 163, 139-151.	0.7	2
26	Deterministic Contention Resolution without Collision Detection: Throughput vs Energy. , 2021, , .		2
27	Token Traversal in Ad Hoc Wireless Networks via Implicit Carrier Sensing. Lecture Notes in Computer Science, 2017, , 15-33.	1.3	2
28	Fast periodic correction networks. Theoretical Computer Science, 2006, 354, 354-366.	0.9	1
29	Token traversal in ad hoc wireless networks via implicit carrier sensing. Theoretical Computer Science, 2020, 811, 3-20.	0.9	1
30	Search and evacuation with a near majority of faulty agents. , 2021, , 217-227.		1
31	On a long cycle in the graph of all linear extensions of a poset consisting of two disjoint chains. Discrete Mathematics, 1994, 131, 375-378.	0.7	0
32	Communication and location discovery in geometric ring networks. Information and Computation, 2019, 266, 19-48.	0.7	0
33	Brief Announcement: A Time and Space Optimal Stable Population Protocol Solving Exact Majority. , 2021, , .		0