Luisa Gargano

List of Publications by Year
in descending order

97 papers	1,717 citations	361045 20 h-index	360668 35 g-index
108 all docs	108 docs citations	108 times ranked	673 citing authors

#	Article	IF	Citations
1	On the size of shares for secret sharing schemes. Journal of Cryptology, 1993, 6, 157-167.	2.1	206
2	Asynchronous deterministic rendezvous in graphs. Theoretical Computer Science, 2006, 355, 315-326.	0.5	132
3	Sperner capacities. Graphs and Combinatorics, 1993, 9, 31-46.	0.2	68
4	Capacities: From information theory to extremal set theory. Journal of Combinatorial Theory - Series A, 1994, 68, 296-316.	0.5	67
5	Community detection via semi-synchronous label propagation algorithms. , 2010, , .		64
6	Efficient collective communication in optical networks. Theoretical Computer Science, 2000, 233, 165-189.	0.5	51
7	On the construction of statistically synchronizable codes. IEEE Transactions on Information Theory, 1992, 38, 407-414.	1.5	48
8	On the construction of minimal broadcast networks. Networks, 1989, 19, 673-689.	1.6	46
9	On the information rate of secret sharing schemes. Theoretical Computer Science, 1996, 154, 283-306.	0.5	43
10	Latency-bounded target set selection in social networks. Theoretical Computer Science, 2014, 535, 1-15.	0.5	40
11	Qualitative independence and Sperner problems for directed graphs. Journal of Combinatorial Theory - Series A, 1992, 61, 173-192.	0.5	39
12	Spanning spiders and light-splitting switches. Discrete Mathematics, 2004, 285, 83-95.	0.4	37
13	On the characterization of statistically synchronizable variable-length codes. IEEE Transactions on Information Theory, 1988, 34, 817-825.	1.5	34
14	Tighter time bounds on fault-tolerant broadcasting and gossiping. Networks, 1992, 22, 469-486.	1.6	34
15	Spanning Trees with Bounded Number of Branch Vertices. Lecture Notes in Computer Science, 2002, , 355-365.	1.0	34
16	Complexity of conflict-free colorings of graphs. Theoretical Computer Science, 2015, 566, 39-49.	0.5	34
17	Fast Gossiping by Short Messages. SIAM Journal on Computing, 1998, 27, 917-941.	0.8	31
18	Colouring paths in directed symmetric trees with applications to WDM routing. Lecture Notes in Computer Science, 1997, , 505-515.	1.0	28

#	Article	IF	Citations
19	Spread of influence in weighted networks under time and budget constraints. Theoretical Computer Science, 2015, 586, 40-58.	0.5	26
20	Label propagation algorithm: a semi-synchronous approach. International Journal of Social Network Mining, 2012, 1, 3.	0.2	25
21	Influence diffusion in social networks under time window constraints. Theoretical Computer Science, 2015, 584, 53-66.	0.5	21
22	Efficient q-ary immutable codes. Discrete Applied Mathematics, 1991, 33, 25-41.	0.5	20
23	Active influence spreading in social networks. Theoretical Computer Science, 2019, 764, 15-29.	0.5	18
24	Minimum Time Broadcast Networks Tolerating a Logarithmic Number of Faults. SIAM Journal on Discrete Mathematics, 1992, 5, 178-198.	0.4	17
25	An improved algorithm for quantitative group testing. Discrete Applied Mathematics, 1992, 36, 299-306.	0.5	15
26	Group testing with unreliable tests. Information Sciences, 1997, 96, 1-14.	4.0	15
27	Optimal sequential gossiping by short messages. Discrete Applied Mathematics, 1998, 86, 145-155.	0.5	15
28	Evangelism in social networks: Algorithms and complexity. Networks, 2018, 71, 346-357.	1.6	15
29	Optimizing Spread of Influence in Social Networks via Partial Incentives. Lecture Notes in Computer Science, 2015, , 119-134.	1.0	15
30	F-Chord: Improved Uniform Routing on Chord. Lecture Notes in Computer Science, 2004, , 89-98.	1.0	15
31	Fault—tolerant hypercube broadcasting via information dispersal. Networks, 1993, 23, 271-282.	1.6	14
32	Discovering Small Target Sets in Social Networks: A Fast and Effective Algorithm. Algorithmica, 2018, 80, 1804-1833.	1.0	14
33	Bounds on the Entropy of a Function of a Random Variable and Their Applications. IEEE Transactions on Information Theory, 2018, 64, 2220-2230.	1.5	14
34	Collision-free path coloring with application to minimum-delay gathering in sensor networks. Discrete Applied Mathematics, 2009, 157, 1858-1872.	0.5	13
35	On finding small sets that influence large networks. Social Network Analysis and Mining, 2016, 6, 1.	1.9	13
36	Minimum-Entropy Couplings and Their Applications. IEEE Transactions on Information Theory, 2019, 65, 3436-3451.	1.5	13

#	Article	IF	Citations
37	Sparse and limited wavelength conversion in all-optical tree networks. Theoretical Computer Science, 2001, 266, 887-934.	0.5	11
38	Strong Conflict-Free Coloring for Intervals. Algorithmica, 2014, 70, 732-749.	1.0	11
39	AsynchronousÂDeterministicÂRendezvous inÂGraphs. Lecture Notes in Computer Science, 2005, , 271-282.	1.0	11
40	Optimal detection of a counterfeit coin with multi-arms balances. Discrete Applied Mathematics, 1995, 61, 121-131.	0.5	10
41	Efficient generation of fair dice with few biased coins. IEEE Transactions on Information Theory, 1999, 45, 1600-1606.	1.5	10
42	Coloring all directed paths in a symmetric tree, with an application to optical networks. Journal of Graph Theory, 2001, 38, 183-196.	0.5	10
43	Influence Propagation over Large Scale Social Networks. , 2015, , .		10
44	There Are Spanning Spiders in Dense Graphs (and We Know How to Find Them). Lecture Notes in Computer Science, 2003, , 802-816.	1.0	10
45	A Fast and Effective Heuristic for Discovering Small Target Sets in Social Networks. Lecture Notes in Computer Science, 2015, , 193-208.	1.0	10
46	Search problems for two irregular coins with incomplete feedback: the underweight model. Discrete Applied Mathematics, 1992, 36, 191-197.	0.5	9
47	Reliable broadcasting. Discrete Applied Mathematics, 1994, 53, 135-148.	0.5	9
48	Limited wavelength conversion in all-optical tree networks. Lecture Notes in Computer Science, 1998, , 544-555.	1.0	9
49	Optimal time data gathering in wireless networks with multidirectional antennas. Theoretical Computer Science, 2013, 509, 122-139.	0.5	9
50	Approximating probability distributions with short vectors, via information theoretic distance measures. , 2016, , .		9
51	Time bounds for broadcasting in bounded degree graphs. Lecture Notes in Computer Science, 1990, , 19-33.	1.0	9
52	Time Optimal Gathering in Sensor Networks. , 2007, , 7-10.		9
53	Latency-Bounded Target Set Selection in Social Networks. Lecture Notes in Computer Science, 2013, , 65-77.	1.0	9
54	Optimizing the finger tables in Chordâ€like DHTs. Concurrency Computation Practice and Experience, 2008, 20, 643-657.	1.4	8

#	Article	IF	Citations
55	A note on submodular set cover on matroids. Discrete Mathematics, 2009, 309, 5739-5744.	0.4	8
56	Gathering with Minimum Delay in Tree Sensor Networks. Lecture Notes in Computer Science, 2008, , 262-276.	1.0	8
57	Decoders with initial state invariance for multivalued encodings. Theoretical Computer Science, 1991, 86, 365-375.	0.5	7
58	Efficient communication in unknown networks. Networks, 2001, 38, 39-49.	1.6	7
59	GATHERING WITH MINIMUM COMPLETION TIME IN SENSOR TREE NETWORKS. Journal of Interconnection Networks, 2010, 11, 1-33.	0.6	7
60	Influence Diffusion in Social Networks under Time Window Constraints. Lecture Notes in Computer Science, 2013, , 141-152.	1.0	7
61	Information theoretic measures of distances and their econometric applications. , 2013, , .		7
62	Space-Optimal Proportion Consensus withÂPopulation Protocols. Lecture Notes in Computer Science, 2017, , 384-398.	1.0	7
63	Different capacities of a digraph. Graphs and Combinatorics, 1994, 10, 105-121.	0.2	6
64	Communication Complexity of Gossiping by Packets. Journal of Parallel and Distributed Computing, 1997, 45, 73-81.	2.7	6
65	Minimum time broadcast in faulty star networks. Discrete Applied Mathematics, 1998, 83, 97-119.	0.5	6
66	A Note on Approximation of Uniform Distributions From Variable-to-Fixed Length Codes. IEEE Transactions on Information Theory, 2006, 52, 3772-3777.	1.5	6
67	Low-weight superimposed codes and related combinatorial structures: Bounds and applications. Theoretical Computer Science, 2020, 806, 655-672.	0.5	6
68	On searching strategies, parallel questions, and delayed answers. Discrete Applied Mathematics, 2004, 144, 247-262.	0.5	5
69	Degree-Optimal Routing for P2P Systems. Theory of Computing Systems, 2009, 45, 43-63.	0.7	5
70	How to find a joint probability distribution of minimum entropy (almost) given the marginals. , 2017, , .		5
71	Whom to befriend to influence people. Theoretical Computer Science, 2020, 810, 26-42.	0.5	5
72	Iterated Type Partitions. Lecture Notes in Computer Science, 2020, , 195-210.	1.0	5

#	Article	IF	Citations
73	An efficient algorithm for testing immutability of variable-length codes. IEEE Transactions on Information Theory, 1989, 35, 1310-1314.	1.5	4
74	A fast algorithm for the unique decipherability of multivalued encodings. Theoretical Computer Science, 1994, 134, 63-78.	0.5	3
75	Evangelism in Social Networks. Lecture Notes in Computer Science, 2016, , 96-108.	1.0	3
76	Fast and frugal targeting with incentives. Theoretical Computer Science, 2020, 812, 62-79.	0.5	3
77	Fast collective communication by packets in the postal model. Networks, 1998, 31, 67-79.	1.6	2
78	Communication complexity of fault-tolerant information diffusion. Theoretical Computer Science, 1998, 209, 195-211.	0.5	2
79	Efficient algorithms for chemical threshold testing problems. Theoretical Computer Science, 2001, 259, 493-511.	0.5	2
80	Tunstall Parse Trees Optimum under Various Criteria. , 2007, , .		2
81	H(X) vs. H(f (X)). , 2017, , .		2
82	Efficient Communication in Unknown Networks. Lecture Notes in Computer Science, 2000, , 172-183.	1.0	2
83	On k-Strong Conflictâ€"Free Multicoloring. Lecture Notes in Computer Science, 2017, , 276-290.	1.0	2
84	On the capacity of boolean graph formulÃ¦. Graphs and Combinatorics, 1995, 11, 29-48.	0.2	1
85	Concurrent multicast in weighted networks. Lecture Notes in Computer Science, 1998, , 193-204.	1.0	1
86	Concurrent multicast in weighted networks. Theoretical Computer Science, 2001, 259, 359-377.	0.5	1
87	Multi-level dynamo and opinion spreading. Mathematical Structures in Computer Science, 2017, 27, 234-256.	0.5	1
88	Low-Weight Superimposed Codes andÂTheir Applications. Lecture Notes in Computer Science, 2018, , 197-211.	1.0	1
89	Dual Domination. Lecture Notes in Computer Science, 2019, , 160-174.	1.0	1
90	Dual domination problems in graphs. Journal of Computer and System Sciences, 2022, 128, 18-34.	0.9	1

#	Article	IF	Citations
91	Vertex Separation in Networks. , 2021, , .		1
92	Navigable Small-World networks with few random bits. Theoretical Computer Science, 2009, 410, 4975-4988.	0.5	0
93	Spider Covers and Their Applications. , 2012, 2012, 1-11.		0
94	Special Issue on Fun with Algorithms. Theory of Computing Systems, 2012, 50, 1-2.	0.7	0
95	An Information Theoretic Approach to Probability Mass Function Truncation. , 2019, , .		0
96	Multicasting in Optical Networks. Lecture Notes in Computer Science, 2001, , 459-460.	1.0	0
97	Time-Bounded Influence Diffusion with Incentives. Lecture Notes in Computer Science, 2018, , 280-295.	1.0	0