

# Luisa Gargano

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8836722/publications.pdf>

Version: 2024-02-01

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	Dual domination problems in graphs. <i>Journal of Computer and System Sciences</i> , 2022, 128, 18-34.	0.9	1
2	Vertex Separation in Networks. , 2021, , .		1
3	Whom to befriend to influence people. <i>Theoretical Computer Science</i> , 2020, 810, 26-42.	0.5	5
4	Fast and frugal targeting with incentives. <i>Theoretical Computer Science</i> , 2020, 812, 62-79.	0.5	3
5	Low-weight superimposed codes and related combinatorial structures: Bounds and applications. <i>Theoretical Computer Science</i> , 2020, 806, 655-672.	0.5	6
6	Iterated Type Partitions. <i>Lecture Notes in Computer Science</i> , 2020, , 195-210.	1.0	5
7	Minimum-Entropy Couplings and Their Applications. <i>IEEE Transactions on Information Theory</i> , 2019, 65, 3436-3451.	1.5	13
8	An Information Theoretic Approach to Probability Mass Function Truncation. , 2019, , .		0
9	Active influence spreading in social networks. <i>Theoretical Computer Science</i> , 2019, 764, 15-29.	0.5	18
10	Dual Domination. <i>Lecture Notes in Computer Science</i> , 2019, , 160-174.	1.0	1
11	Discovering Small Target Sets in Social Networks: A Fast and Effective Algorithm. <i>Algorithmica</i> , 2018, 80, 1804-1833.	1.0	14
12	Bounds on the Entropy of a Function of a Random Variable and Their Applications. <i>IEEE Transactions on Information Theory</i> , 2018, 64, 2220-2230.	1.5	14
13	Evangelism in social networks: Algorithms and complexity. <i>Networks</i> , 2018, 71, 346-357.	1.6	15
14	Time-Bounded Influence Diffusion with Incentives. <i>Lecture Notes in Computer Science</i> , 2018, , 280-295.	1.0	0
15	Low-Weight Superimposed Codes and Their Applications. <i>Lecture Notes in Computer Science</i> , 2018, , 197-211.	1.0	1
16	$H(X)$ vs. $H(f(X))$ . , 2017, , .		2
17	How to find a joint probability distribution of minimum entropy (almost) given the marginals. , 2017, , .		5
18	Multi-level dynamo and opinion spreading. <i>Mathematical Structures in Computer Science</i> , 2017, 27, 234-256.	0.5	1

#	ARTICLE	IF	CITATIONS
19	On $k$ -Strong Conflict-Free Multicoloring. Lecture Notes in Computer Science, 2017, , 276-290.	1.0	2
20	Space-Optimal Proportion Consensus with Population Protocols. Lecture Notes in Computer Science, 2017, , 384-398.	1.0	7
21	On finding small sets that influence large networks. Social Network Analysis and Mining, 2016, 6, 1.	1.9	13
22	Evangelism in Social Networks. Lecture Notes in Computer Science, 2016, , 96-108.	1.0	3
23	Approximating probability distributions with short vectors, via information theoretic distance measures. , 2016, , .		9
24	Spread of influence in weighted networks under time and budget constraints. Theoretical Computer Science, 2015, 586, 40-58.	0.5	26
25	Influence Propagation over Large Scale Social Networks. , 2015, , .		10
26	Complexity of conflict-free colorings of graphs. Theoretical Computer Science, 2015, 566, 39-49.	0.5	34
27	Influence diffusion in social networks under time window constraints. Theoretical Computer Science, 2015, 584, 53-66.	0.5	21
28	Optimizing Spread of Influence in Social Networks via Partial Incentives. Lecture Notes in Computer Science, 2015, , 119-134.	1.0	15
29	A Fast and Effective Heuristic for Discovering Small Target Sets in Social Networks. Lecture Notes in Computer Science, 2015, , 193-208.	1.0	10
30	Strong Conflict-Free Coloring for Intervals. Algorithmica, 2014, 70, 732-749.	1.0	11
31	Latency-bounded target set selection in social networks. Theoretical Computer Science, 2014, 535, 1-15.	0.5	40
32	Optimal time data gathering in wireless networks with multidirectional antennas. Theoretical Computer Science, 2013, 509, 122-139.	0.5	9
33	Influence Diffusion in Social Networks under Time Window Constraints. Lecture Notes in Computer Science, 2013, , 141-152.	1.0	7
34	Information theoretic measures of distances and their econometric applications. , 2013, , .		7
35	Latency-Bounded Target Set Selection in Social Networks. Lecture Notes in Computer Science, 2013, , 65-77.	1.0	9
36	Spider Covers and Their Applications. , 2012, 2012, 1-11.		0

#	ARTICLE	IF	CITATIONS
37	Label propagation algorithm: a semi-synchronous approach. International Journal of Social Network Mining, 2012, 1, 3.	0.2	25
38	Special Issue on Fun with Algorithms. Theory of Computing Systems, 2012, 50, 1-2.	0.7	0
39	GATHERING WITH MINIMUM COMPLETION TIME IN SENSOR TREE NETWORKS. Journal of Interconnection Networks, 2010, 11, 1-33.	0.6	7
40	Community detection via semi-synchronous label propagation algorithms. , 2010, , .		64
41	Navigable Small-World networks with few random bits. Theoretical Computer Science, 2009, 410, 4975-4988.	0.5	0
42	Collision-free path coloring with application to minimum-delay gathering in sensor networks. Discrete Applied Mathematics, 2009, 157, 1858-1872.	0.5	13
43	Degree-Optimal Routing for P2P Systems. Theory of Computing Systems, 2009, 45, 43-63.	0.7	5
44	A note on submodular set cover on matroids. Discrete Mathematics, 2009, 309, 5739-5744.	0.4	8
45	Optimizing the finger tables in Chord-like DHTs. Concurrency Computation Practice and Experience, 2008, 20, 643-657.	1.4	8
46	Gathering with Minimum Delay in Tree Sensor Networks. Lecture Notes in Computer Science, 2008, , 262-276.	1.0	8
47	Tunstable Parse Trees Optimum under Various Criteria. , 2007, , .		2
48	Time Optimal Gathering in Sensor Networks. , 2007, , 7-10.		9
49	Asynchronous deterministic rendezvous in graphs. Theoretical Computer Science, 2006, 355, 315-326.	0.5	132
50	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
51	Asynchronous Deterministic Rendezvous in Graphs. Lecture Notes in Computer Science, 2005, , 271-282.	1.0	11
52	On searching strategies, parallel questions, and delayed answers. Discrete Applied Mathematics, 2004, 144, 247-262.	0.5	5
53	Spanning spiders and light-splitting switches. Discrete Mathematics, 2004, 285, 83-95.	0.4	37
54	F-Chord: Improved Uniform Routing on Chord. Lecture Notes in Computer Science, 2004, , 89-98.	1.0	15

#	ARTICLE	IF	CITATIONS
55	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
56	Spanning Trees with Bounded Number of Branch Vertices. Lecture Notes in Computer Science, 2002, , 355-365.	1.0	34
57	Concurrent multicast in weighted networks. Theoretical Computer Science, 2001, 259, 359-377.	0.5	1
58	Efficient algorithms for chemical threshold testing problems. Theoretical Computer Science, 2001, 259, 493-511.	0.5	2
59	Sparse and limited wavelength conversion in all-optical tree networks. Theoretical Computer Science, 2001, 266, 887-934.	0.5	11
60	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
61	Efficient communication in unknown networks. Networks, 2001, 38, 39-49.	1.6	7
62	Multicasting in Optical Networks. Lecture Notes in Computer Science, 2001, , 459-460.	1.0	0
63	Efficient collective communication in optical networks. Theoretical Computer Science, 2000, 233, 165-189.	0.5	51
64	Efficient Communication in Unknown Networks. Lecture Notes in Computer Science, 2000, , 172-183.	1.0	2
65	Efficient generation of fair dice with few biased coins. IEEE Transactions on Information Theory, 1999, 45, 1600-1606.	1.5	10
66	Fast collective communication by packets in the postal model. Networks, 1998, 31, 67-79.	1.6	2
67	Communication complexity of fault-tolerant information diffusion. Theoretical Computer Science, 1998, 209, 195-211.	0.5	2
68	Minimum time broadcast in faulty star networks. Discrete Applied Mathematics, 1998, 83, 97-119.	0.5	6
69	Optimal sequential gossiping by short messages. Discrete Applied Mathematics, 1998, 86, 145-155.	0.5	15
70	Fast Gossiping by Short Messages. SIAM Journal on Computing, 1998, 27, 917-941.	0.8	31
71	Concurrent multicast in weighted networks. Lecture Notes in Computer Science, 1998, , 193-204.	1.0	1
72	Limited wavelength conversion in all-optical tree networks. Lecture Notes in Computer Science, 1998, , 544-555.	1.0	9

#	ARTICLE	IF	CITATIONS
73	Colouring paths in directed symmetric trees with applications to WDM routing. Lecture Notes in Computer Science, 1997, , 505-515.	1.0	28
74	Communication Complexity of Gossiping by Packets. Journal of Parallel and Distributed Computing, 1997, 45, 73-81.	2.7	6
75	Group testing with unreliable tests. Information Sciences, 1997, 96, 1-14.	4.0	15
76	On the information rate of secret sharing schemes. Theoretical Computer Science, 1996, 154, 283-306.	0.5	43
77	On the capacity of boolean graph formul $\tilde{A}$ . Graphs and Combinatorics, 1995, 11, 29-48.	0.2	1
78	Optimal detection of a counterfeit coin with multi-arms balances. Discrete Applied Mathematics, 1995, 61, 121-131.	0.5	10
79	Different capacities of a digraph. Graphs and Combinatorics, 1994, 10, 105-121.	0.2	6
80	A fast algorithm for the unique decipherability of multivalued encodings. Theoretical Computer Science, 1994, 134, 63-78.	0.5	3
81	Capacities: From information theory to extremal set theory. Journal of Combinatorial Theory - Series A, 1994, 68, 296-316.	0.5	67
82	Reliable broadcasting. Discrete Applied Mathematics, 1994, 53, 135-148.	0.5	9
83	Fault-tolerant hypercube broadcasting via information dispersal. Networks, 1993, 23, 271-282.	1.6	14
84	On the size of shares for secret sharing schemes. Journal of Cryptology, 1993, 6, 157-167.	2.1	206
85	Sperner capacities. Graphs and Combinatorics, 1993, 9, 31-46.	0.2	68
86	On the construction of statistically synchronizable codes. IEEE Transactions on Information Theory, 1992, 38, 407-414.	1.5	48
87	Minimum Time Broadcast Networks Tolerating a Logarithmic Number of Faults. SIAM Journal on Discrete Mathematics, 1992, 5, 178-198.	0.4	17
88	Qualitative independence and Sperner problems for directed graphs. Journal of Combinatorial Theory - Series A, 1992, 61, 173-192.	0.5	39
89	Search problems for two irregular coins with incomplete feedback: the underweight model. Discrete Applied Mathematics, 1992, 36, 191-197.	0.5	9
90	An improved algorithm for quantitative group testing. Discrete Applied Mathematics, 1992, 36, 299-306.	0.5	15

#	ARTICLE	IF	CITATIONS
91	Tighter time bounds on fault-tolerant broadcasting and gossiping. <i>Networks</i> , 1992, 22, 469-486.	1.6	34
92	Efficient q-ary immutable codes. <i>Discrete Applied Mathematics</i> , 1991, 33, 25-41.	0.5	20
93	Decoders with initial state invariance for multivalued encodings. <i>Theoretical Computer Science</i> , 1991, 86, 365-375.	0.5	7
94	Time bounds for broadcasting in bounded degree graphs. <i>Lecture Notes in Computer Science</i> , 1990, , 19-33.	1.0	9
95	An efficient algorithm for testing immutability of variable-length codes. <i>IEEE Transactions on Information Theory</i> , 1989, 35, 1310-1314.	1.5	4
96	On the construction of minimal broadcast networks. <i>Networks</i> , 1989, 19, 673-689.	1.6	46
97	On the characterization of statistically synchronizable variable-length codes. <i>IEEE Transactions on Information Theory</i> , 1988, 34, 817-825.	1.5	34