Tomasz Łuczak

List of Publications by Year
in descending order

156 papers	5,136 citations	126907 33 h-index	149698 56 g-index
160 all docs	160 docs citations	160 times ranked	1753 citing authors

#	Article	IF	Citations
1	Long monochromatic even cycles in 3‐edge‐coloured graphs of large minimum degree. Journal of Graph Theory, 2022, 99, 691-714.	0.9	1
2	Andrásfai and Vega graphs in Ramsey–Turán theory. Journal of Graph Theory, 2021, 98, 57-80.	0.9	1
3	On Schelp's problem for three odd long cycles. Journal of Combinatorial Theory Series B, 2020, 143, 1-15.	1.0	3
4	Compression of Preferential Attachment Graphs. , 2019, , .		8
5	Asymmetry and structural information in preferential attachment graphs. Random Structures and Algorithms, 2019, 55, 696-718.	1.1	13
6	Paths in Hypergraphs: A Rescaling Phenomenon. SIAM Journal on Discrete Mathematics, 2019, 33, 2251-2266.	0.8	1
7	The multipartite Ramsey number for the 3-path of length three. Discrete Mathematics, 2018, 341, 1270-1274.	0.7	9
8	Integral Homology of Random Simplicial Complexes. Discrete and Computational Geometry, 2018, 59, 131-142.	0.6	18
9	On multicolor Ramsey numbers for loose k-paths of length three. European Journal of Combinatorics, 2018, 71, 43-50.	0.8	1
10	The Ramsey Numbers for A Triple of Long Cycles. Combinatorica, 2018, 38, 827-845.	1.2	11
11	Anagram-Free Colourings of Graphs. Combinatorics Probability and Computing, 2018, 27, 623-642.	1.3	4
12	A tale of stars and cliques. Journal of Combinatorial Theory - Series A, 2018, 160, 111-135.	0.8	1
13	On the diameter of Kronecker graphs. Discrete Mathematics, 2018, 341, 3165-3173.	0.7	1
14	On maximal tail probability of sums of nonnegative, independent and identically distributed random variables. Statistics and Probability Letters, 2017, 129, 12-16.	0.7	3
15	Anagram-free colorings of graphs. Electronic Notes in Discrete Mathematics, 2017, 61, 671-677.	0.4	0
16	A sharp threshold for collapse of the random triangular group. Groups, Geometry, and Dynamics, 2017, 11, 879-890.	0.5	2
17	On the Multicolor Ramsey Number for 3-Paths of Length Three. Electronic Journal of Combinatorics, 2017, 24, .	0.4	3
18	Manipulative Waiters with Probabilistic Intuition. Combinatorics Probability and Computing, 2016, 25, 823-849.	1.3	10

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19	Picker–Chooser fixed graph games. Journal of Combinatorial Theory Series B, 2016, 119, 122-154.	1.0	6
20	Highly connected monochromatic subgraphs of two-colored complete graphs. Journal of Combinatorial Theory Series B, 2016, 117, 88-92.	1.0	2
21	Hamilton cycles in random lifts of graphs. European Journal of Combinatorics, 2015, 49, 105-116.	0.8	1
22	Random triangular groups at density. Compositio Mathematica, 2015, 151, 167-178.	0.8	10
23	Collapse of random triangular groups: a closer look. Bulletin of the London Mathematical Society, 2014, 46, 761-764.	0.8	6
24	On Erdős' extremal problem on matchings in hypergraphs. Journal of Combinatorial Theory - Series A, 2014, 124, 178-194.	0.8	33
25	On generalized shift graphs. Fundamenta Mathematicae, 2014, 226, 173-199.	0.5	3
26	Collapsibility and Vanishing of Top Homology in Random Simplicial Complexes. Discrete and Computational Geometry, 2013, 49, 317-334.	0.6	40
27	Perfect matchings in random intersection graphs. Acta Mathematica Hungarica, 2013, 138, 15-33.	0.5	25
28	Limit measures of inhomogeneous discrete-time quantum walks in one dimension. Quantum Information Processing, 2013, 12, 33-53.	2.2	47
29	Dense Difference Sets and Their Combinatorial Structure. , 2013, , 133-146.		2
30	Two critical periods in the evolution of random planar graphs. Transactions of the American Mathematical Society, 2012, 364, 4239-4265.	0.9	18
31	Conflict-Free Colourings of Uniform Hypergraphs With Few Edges. Combinatorics Probability and Computing, 2012, 21, 611-622.	1.3	9
32	Monochromatic Cycles in 2-Coloured Graphs. Combinatorics Probability and Computing, 2012, 21, 57-87.	1.3	19
33	On Even-Degree Subgraphs of Linear Hypergraphs. Combinatorics Probability and Computing, 2012, 21, 113-127.	1.3	4
34	Trapping a particle of a quantum walk on the line. Physical Review A, 2012, 85, .	2.5	63
35	Bootstrap percolation on the random graph $G_{n,p}$. Annals of Applied Probability, 2012, 22, .	1.3	100
36	On the multi‐colored Ramsey numbers of cycles. Journal of Graph Theory, 2012, 69, 169-175.	0.9	16

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37	Investigation of Rotation Forest Method Applied to Property Price Prediction. Lecture Notes in Computer Science, 2012, , 403-411.	1.3	8
38	On Matchings in Hypergraphs. Electronic Journal of Combinatorics, 2012, 19, .	0.4	25
39	Large Cliques in a Power-Law Random Graph. Journal of Applied Probability, 2010, 47, 1124-1135.	0.7	29
40	Chasing robbers on random graphs: Zigzag theorem. Random Structures and Algorithms, 2010, 37, 516-524.	1.1	31
41	Large Cliques in a Power-Law Random Graph. Journal of Applied Probability, 2010, 47, 1124-1135.	0.7	17
42	Vicarious Graphs. Combinatorics Probability and Computing, 2010, 19, 819-827.	1.3	0
43	The Ramsey Number for 3-Uniform Tight Hypergraph Cycles. Combinatorics Probability and Computing, 2009, 18, 165-203.	1.3	23
44	Critical graphs for subpancyclicity of 3-connected claw-free graphs. Journal of Graph Theory, 2009, 62, 263-278.	0.9	2
45	On nonatomic submeasures on $${\mathbb{N}}$$. III. Archiv Der Mathematik, 2009, 92, 377-382.	0.5	0
46	The critical behavior of random digraphs. Random Structures and Algorithms, 2009, 35, 271-293.	1.1	15
47	On nonatomic submeasures on $\mathbb{N}$. II. Journal of Mathematical Analysis and Applications, 2008, 347, 442-449.	1.0	4
48	On nonatomic submeasures on $${\mathbb{N}}$$. Archiv Der Mathematik, 2008, 91, 76-85.	0.5	2
49	On the minimum degree forcing F-free graphs to be (nearly) bipartite. Discrete Mathematics, 2008, 308, 3998-4002.	0.7	0
50	Colorful Flowers. Electronic Notes in Discrete Mathematics, 2008, 31, 255-258.	0.4	0
51	Self-stabilizing population of mobile agents. , 2008, , .		1
52	Stable Kneser hypergraphs and ideals in $\mathbb{N}$ with the Nikodým property. Proceedings of the American Mathematical Society, 2008, 137, 467-471.	0.8	17
53	On a problem of Konyagin. Acta Arithmetica, 2008, 134, 101-109.	0.4	5
54	Multiuser quantum communication networks. Physical Review A, 2007, 75, .	2.5	71

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55	First-Order Definability of Trees and Sparse Random Graphs. Combinatorics Probability and Computing, 2007, 16, 375.	1.3	2
56	The Ramsey number for a triple of long even cycles. Journal of Combinatorial Theory Series B, 2007, 97, 584-596.	1.0	57
57	Protean Graphs. Internet Mathematics, 2006, 3, 21-40.	0.7	18
58	A Probabilistic Approach to the Dichotomy Problem. SIAM Journal on Computing, 2006, 36, 835-843.	1.0	9
59	The phase transition in the cluster-scaled model of a random graph. Random Structures and Algorithms, 2006, 28, 215-246.	1.1	28
60	The connectivity threshold for the min-degree random graph process. Random Structures and Algorithms, 2006, 29, 105-120.	1.1	6
61	When is a random graph projective?. European Journal of Combinatorics, 2006, 27, 1147-1154.	0.8	1
62	On The Structure Of Triangle-Free Graphs Of Large Minimum Degree. Combinatorica, 2006, 26, 489-493.	1.2	20
63	The Ramsey number for hypergraph cycles I. Journal of Combinatorial Theory - Series A, 2006, 113, 67-83.	0.8	43
64	Torpid mixing of the Wang–Swendsen–Kotecký algorithm for sampling colorings. Journal of Discrete Algorithms, 2005, 3, 92-100.	0.7	7
65	Unmodulated spin chains as universal quantum wires. Physical Review A, 2005, 72, .	2.5	213
66	Note on projective graphs. Journal of Graph Theory, 2004, 47, 81-86.	0.9	11
67	Claw-free 3-connectedP11-free graphs are hamiltonian. Journal of Graph Theory, 2004, 47, 111-121.	0.9	16
68	Pancyclicity of 3-connected graphs: Pairs of forbidden subgraphs. Journal of Graph Theory, 2004, 47, 183-202.	0.9	9
69	Edge weights and vertex colours. Journal of Combinatorial Theory Series B, 2004, 91, 151-157.	1.0	245
70	Quasiperiodic Dynamics of a Quantum Walk on the Line. Physical Review Letters, 2004, 93, 180601.	7.8	63
71	EXAMPLES OF NON-UNIFORM LIMITING DISTRIBUTIONS FOR THE QUANTUM WALK ON EVEN CYCLES. International Journal of Quantum Information, 2004, 02, 453-459.	1.1	13
72	Quantum walks on cycles. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 317, 21-25.	2.1	55

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73	Solution-free sets for linear equations. Journal of Number Theory, 2003, 102, 11-22.	0.4	3
74	Vertex Ramsey Properties of Families of Graphs. Journal of Combinatorial Theory Series B, 2002, 84, 240-248.	1.0	3
75	Ramsey Properties of Families of Graphs. Journal of Combinatorial Theory Series B, 2002, 86, 413-419.	1.0	1
76	Ramsey Numbers for Trees of Small Maximum Degree. Combinatorica, 2002, 22, 287-320.	1.2	17
77	The phase transition in a random hypergraph. Journal of Computational and Applied Mathematics, 2002, 142, 125-135.	2.0	85
78	On the discrepancy of combinatorial rectangles. Random Structures and Algorithms, 2002, 21, 205-215.	1.1	3
79	On induced Ramsey numbers. Discrete Mathematics, 2002, 251, 87-96.	0.7	6
80	Sum-free sets in abelian groups. Israel Journal of Mathematics, 2001, 125, 347-367.	0.8	42
81	Sum-Free Subsets of Right Cancellative Semigroups. European Journal of Combinatorics, 2001, 22, 999-1002.	0.8	2
82	Biased positional games and the phase transition. Random Structures and Algorithms, 2001, 18, 141-152.	1.1	19
83	On minimal Folkman graphs. Discrete Mathematics, 2001, 236, 245-262.	0.7	9
84	On triangle-free random graphs. Random Structures and Algorithms, 2000, 16, 260-276.	1.1	22
85	Biased Positional Games for Which Random Strategies are Nearly Optimal. Combinatorica, 2000, 20, 477-488.	1.2	56
86	On triangle-free random graphs. Random Structures and Algorithms, 2000, 16, 260.	1.1	2
87	On the maximal density of sum-free sets. Acta Arithmetica, 2000, 95, 225-229.	0.4	10
88	On the connectivity of random subsets of projective spaces. Discrete Mathematics, 1999, 196, 207-217.	0.7	3
89	$R(C_n,C_n,C_n) \leq (4+o(1))n$. Journal of Combinatorial Theory Series B, 1999, 75, 174-187.	1.0	76
90	Independent finite sums in graphs defined on the natural numbers. Discrete Mathematics, 1998, 181, 289-294.	0.7	5

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91	Random trees and random graphs. Random Structures and Algorithms, 1998, 13, 485-500.	1.1	29
92	A Greedy Algorithm Estimating the Height of Random Trees. SIAM Journal on Discrete Mathematics, 1998, 11, 318-329.	0.8	1
93	Endomorphisms of Partially Ordered Sets. Combinatorics Probability and Computing, 1998, 7, 33-46.	1.3	0
94	Partitioning Two-Coloured Complete Graphs into Two Monochromatic Cycles. Combinatorics Probability and Computing, 1998, 7, 423-436.	1.3	45
95	Random trees and random graphs. , 1998, 13, 485.		3
96	Random trees and random graphs. Random Structures and Algorithms, 1998, 13, 485-500.	1.1	1
97	On the fractional dimension of sets of continued fractions. Mathematika, 1997, 44, 50-53.	0.5	46
98	A suboptimal lossy data compression based on approximate pattern matching. IEEE Transactions on Information Theory, 1997, 43, 1439-1451.	2.4	72
99	Convergence of probabilities for the second order monadic properties of a random mapping. Random Structures and Algorithms, 1997, 11, 277-295.	1.1	1
100	Graphs without short odd cycles are nearly bipartite. Discrete Mathematics, 1997, 163, 279-284.	0.7	10
101	A Parallel Randomized Algorithm for Finding a Maximal Independent Set in a Linear Hypergraph. Journal of Algorithms, 1997, 25, 311-320.	0.9	16
102	On Infinite Sum-free Sets of Natural Numbers. Journal of Number Theory, 1997, 66, 211-224.	0.4	11
103	A note on restricted vertex ramsey numbers. Periodica Mathematica Hungarica, 1996, 33, 101-103.	0.9	6
104	Ramsey-type results for oriented trees. Journal of Graph Theory, 1996, 22, 1-8.	0.9	2
105	On the evolution of a random tournament. Discrete Mathematics, 1996, 148, 311-316.	0.7	7
106	Graphs in which each C4 spans K4. Discrete Mathematics, 1996, 154, 263-268.	0.7	2
107	On Induced Ramsey Numbers for Graphs with Bounded Maximum Degree. Journal of Combinatorial Theory Series B, 1996, 66, 324-333.	1.0	9
108	Arithmetic progressions of length three in subsets of a random set. Acta Arithmetica, 1996, 75, 133-163.	0.4	58

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109	The Induced Size-Ramsey Number of Cycles. Combinatorics Probability and Computing, 1995, 4, 217-239.	1.3	60
110	Sparse Anti-Ramsey Graphs. Journal of Combinatorial Theory Series B, 1995, 63, 146-152.	1.0	1
111	TurÃ¡nâ€²s Extremal Problem in Random Graphs: Forbidding Even Cycles. Journal of Combinatorial Theory Series B, 1995, 64, 273-287.	1.0	43
112	Convergence in homogeneous random graphs. Random Structures and Algorithms, 1995, 6, 371-391.	1.1	7
113	A note on the density of sum-free sets. Journal of Combinatorial Theory - Series A, 1995, 70, 334-336.	0.8	2
114	The number of trees with large diameter. Journal of the Australian Mathematical Society Series A Pure Mathematics and Statistics, 1995, 58, 298-311.	0.3	7
115	The structure of a random graph at the point of the phase transition. Transactions of the American Mathematical Society, 1994, 341, 721-748.	0.9	87
116	On the clique number of a random overlap graph. Journal of Applied Probability, 1994, 31, 582-588.	0.7	0
117	Changes of leadership in a random graph process. Random Structures and Algorithms, 1994, 5, 243-252.	1.1	4
118	On the diameter and radius of randon subgraphs of the cube. Random Structures and Algorithms, 1994, 5, 627-648.	1.1	9
119	Phase transition phenomena in random discrete structures. Discrete Mathematics, 1994, 136, 225-242.	0.7	9
120	On the k-diameter of k-regular k-connected graphs. Discrete Mathematics, 1994, 133, 291-296.	0.7	37
121	The Structure of a Random Graph at the Point of the Phase Transition. Transactions of the American Mathematical Society, 1994, 341, 721.	0.9	47
122	Independent Transversals in Sparse Partite Hypergraphs. Combinatorics Probability and Computing, 1994, 3, 293-296.	1.3	8
123	The size of the largest hole in a random graph. Discrete Mathematics, 1993, 112, 151-163.	0.7	9
124	The birth of the giant component. Random Structures and Algorithms, 1993, 4, 233-358.	1.1	267
125	On Random Generation of the Symmetric Group. Combinatorics Probability and Computing, 1993, 2, 505-512.	1.3	47
126	Balanced Extensions of Spare Graphs. Annals of Discrete Mathematics, 1992, , 191-203.	1.4	0

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127	Components of Random Forests. Combinatorics Probability and Computing, 1992, 1, 35-52.	1.3	21
128	Cycles in a Uniform Graph Process. Combinatorics Probability and Computing, 1992, 1, 223-239.	1.3	10
129	Giant components in three-parameter random directed graphs. Advances in Applied Probability, 1992, 24, 845-857.	0.7	8
130	Giant components in three-parameter random directed graphs. Advances in Applied Probability, 1992, 24, 845-857.	0.7	1
131	The Evolution of Random Subgraphs of the Cube. Random Structures and Algorithms, 1992, 3, 55-90.	1.1	51
132	Ramsey properties of random graphs. Journal of Combinatorial Theory Series B, 1992, 56, 55-68.	1.0	59
133	Trophic levels in community food webs. Evolutionary Ecology, 1992, 6, 73-89.	1.2	21
134	Convex hulls of dense balanced graphs. Journal of Computational and Applied Mathematics, 1992, 41, 205-213.	2.0	5
135	On the independence and chromatic numbers of random regular graphs. Journal of Combinatorial Theory Series B, 1992, 54, 123-132.	1.0	63
136	Tree-Matchings in Graph Processes. SIAM Journal on Discrete Mathematics, 1991, 4, 107-120.	0.8	16
137	When does the zero-one law hold?. Journal of the American Mathematical Society, 1991, 4, 451-451.	3.9	17
138	Holes in random graphs. Discrete Applied Mathematics, 1991, 30, 213-219.	0.9	2
139	Size and connectivity of the k-core of a random graph. Discrete Mathematics, 1991, 91, 61-68.	0.7	90
140	Cycles in random graphs. Discrete Mathematics, 1991, 98, 231-236.	0.7	11
141	How to deal with unlabeled random graphs. Journal of Graph Theory, 1991, 15, 303-316.	0.9	4
142	The chromatic number of random graphs. Combinatorica, 1991, 11, 45-54.	1.2	150
143	Stability of vertices in random boolean cellular automata. Random Structures and Algorithms, 1991, 2, 327-334.	1.1	6
144	Cycles in a random graph near the critical point. Random Structures and Algorithms, 1991, 2, 421-439.	1.1	39

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145	A note on the sharp concentration of the chromatic number of random graphs. Combinatorica, 1991, 11, 295-297.	1.2	70
146	First order properties of random posets. Order, 1991, 8, 291-297.	0.5	7
147	On the number of sparse connected graphs. Random Structures and Algorithms, 1990, 1, 171-173.	1.1	26
148	Component behavior near the critical point of the random graph process. Random Structures and Algorithms, 1990, 1, 287-310.	1.1	157
149	The phase transition in the evolution of random digraphs. Journal of Graph Theory, 1990, 14, 217-223.	0.9	23
150	The chromatic number of random graphs at the double-jump threshold. Combinatorica, 1989, 9, 39-49.	1.2	26
151	Maximal induced trees in sparse random graphs. Discrete Mathematics, 1988, 72, 257-265.	0.7	12
152	The automorphism group of random graphs with a given number of edges. Mathematical Proceedings of the Cambridge Philosophical Society, 1988, 104, 441-449.	0.4	9
153	Maximal Induced Trees in Sparse Random Graphs. Annals of Discrete Mathematics, 1988, , 257-265.	1.4	0
154	On Matchings and Hamiltonian Cycles in Subgraphs of Random Graphs. North-Holland Mathematics Studies, 1987, 144, 171-185.	0.2	1
155	Randomly generated groups. , 0, , 175-194.		0
156	On the Ramsey-TurÃ¡n Density of Triangles. Combinatorica, 0, , 1.	1.2	0