

Published

1. Colorings generated by monotone properties, *Random Structures and Algorithms* **12** (1998), 1–25, with B. Bollobás.
2. An ordering on the even discrete torus, *SIAM J. Discrete Math.* **11** (1998), 110–127.
3. On some conjectures of Graffiti, *Discrete Math.* **179** (1998), 223–230, with B. Bollobás.
4. Closure and Hamiltonian-connectivity of claw-free graphs, *Discrete Math.* **195** (1999), 67–80, with B. Bollobás, Z. Ryjáček, A. Saito and R. Schelp.
5. A Tutte polynomial for coloured graphs, *Combinatorics, Probability and Computing* **8** (1999), 45–94, with B. Bollobás.
6. Constrained graph processes, *Electronic Journal of Combinatorics* **7** (2000), #R18 (electronic, 20 pp.), with B. Bollobás.
7. Polychromatic polynomials, *Discrete Math.* **219** (2000), 1–7, with B. Bollobás.
8. Spanning subgraphs of random graphs, *Combinatorics, Probability and Computing* **9** (2000), 125–148.
9. Linearized chord diagrams and an upper bound for Vassiliev invariants, *J. Knot Theory Ramifications* **9** (2000), 847–853, with B. Bollobás.
10. Contraction-deletion invariants for graphs, *J. Combinatorial Theory B* **80** (2000), 320–345, with B. Bollobás and L. Pebody.
11. The maximum degree of a random graph, *Combinatorics, Probability and Computing* **9** (2000), 549–572, with A. Selby.
12. Alternating knot diagrams, Euler circuits and the interlace polynomial, *European J. Combin.* **22** (2001), 1–4, with P. Balister, B. Bollobás and A. Scott.
13. The degree sequence of a scale-free random graph process, *Random Structures and Algorithms* **18** (2001), 279–290, with B. Bollobás, J. Spencer and G. Tusnády.
14. A polynomial invariant of graphs on orientable surfaces, *Proc. London Math. Soc.* **83** (2001), 513–531, with B. Bollobás.
15. A polynomial of graphs on surfaces, *Mathematische Annalen* **323** (2002), 81–96, with B. Bollobás.
16. Random regular graphs of non-constant degree: independence and chromatic number, *Combinatorics, Probability and Computing* **11** (2002), 323–341, with C. Cooper, A. Frieze and B. Reed.
17. Mathematical results on scale-free random graphs, in *Handbook of graphs and networks: from the genome to the internet*, S. Bornholdt and H.G. Schuster eds., Wiley-VCH, 2002, pp 1–34, with B. Bollobás.
18. Non-repetitive colorings of graphs, *Random Structures and Algorithms* **21** (2002), 336–346, with N. Alon, J. Grytczuk and M. Hałuszczak.

19. Vertex-distinguishing edge colorings of graphs, *Journal of Graph Theory* **42** (2003), 95–109, with P. Balister and R. Schelp.
20. Graphs with large maximum degree containing no odd cycles of a given length, *Journal of Combinatorial Theory B* **87** (2003), 366–373, with P. Balister, B. Bollobás and R. Schelp.
21. Disjointly representing set systems, *Journal of Combinatorial Theory A* **102** (2003), 1–9, with B. Bollobás.
22. Directed scale-free graphs, Proc. 14th ACM-SIAM Symposium on Discrete Algorithms (2003), 132–139, with B. Bollobás, C. Borgs and J. Chayes.
23. Robustness and vulnerability of scale-free random graphs, *Internet Mathematics* **1** (2003), 1–35, with B. Bollobás.
24. Degree distribution of the FKP network model, Proc. ICALP 2003, Springer Lecture Notes in Computer Science **2719** (2003), 725–738, with N. Berger, B. Bollobás, C. Borgs and J. Chayes.
Journal version: *Theoretical Computer Science* **379** (2007), 306–316.
25. Shortest paths and load scaling in scale-free trees, *Phys. Rev. E* **69** (2004), 036114, with B. Bollobás.
26. The diameter of a scale-free random graph, *Combinatorica* **24** (2004), 5–34, with B. Bollobás.
27. Minimum weight Steiner trees in random graphs, *Combinatorica* **24** (2004), 187–207, with B. Bollobás, D. Gamarnik and B. Sudakov.
28. Coupling scale-free and classical random graphs, *Internet Mathematics* **1** (2004), 215–225, with B. Bollobás.
29. The phase transition and connectedness in uniformly grown random graphs, in Algorithms and Models for the Web-graph, Proceedings of WAW 2004, Rome 2004, Springer LNCS 3243 (2004), 1–18, with Béla Bollobás.
30. The phase transition in the uniformly grown random graph has infinite order, *Random Structures and Algorithms* **26** (2005), 1–36, with B. Bollobás and S. Janson.
31. The consequences of Zipf’s law for syntax and symbolic reference, *Proceedings of the Royal Society B* **272** (2005), 561–565, with R. Ferrer i Cancho and B. Bollobás.
32. Slow emergence of the giant component in the growing m -out graph, *Random Structures and Algorithms* **27** (2005), 1–24, with B. Bollobás.
33. The small giant component in scale-free random graphs, *Combinatorics, Probability and Computing* **14** (2005), 897–938.
34. The critical probability for random Voronoi percolation in the plane is $1/2$, *Probability Theory and Related Fields* **136** (2006), 417–468, with B. Bollobás.
35. A short proof of the Harris-Kesten Theorem, *Bulletin of the London Mathematical Society* **38** (2006), 470–484, with B. Bollobás.
36. Sharp thresholds and percolation in the plane, *Random Structures and Algorithms* **29** (2006), 524–548, with B. Bollobás.
37. The phase transition in inhomogeneous random graphs, *Random Structures and Algorithms* **31** (2007), 3–122, with B. Bollobás and S. Janson.

38. A note on the Harris-Kesten Theorem, *Europ. J. Combin.* **28** (2007), 1720–1723, with B. Bollobás.
39. Rigorous confidence intervals for critical probabilities, *Phys. Rev. E* **76** (2007), 011110 (8 pages), with M. Walters.
40. Spread-out percolation in \mathbf{R}^d , *Random Structures and Algorithms* **31** (2007), 239–246, with B. Bollobás and S. Janson.
41. Percolation on random Johnson–Mehl tessellations and related models, *Probab. Theory Relat. Fields* **140** (2008), 319–343, with B. Bollobás.
Erratum: *Probab. Theory Relat. Fields* **146** (2010), 567–570.
42. The k -core and branching processes, *Combinatorics, Probability and Computing* **17** (2008), 111–136.
43. Percolation on dual lattices with k -fold symmetry, *Random Structures and Algorithms* **32** (2008), 463–472, with B. Bollobás.
44. Line-of-sight percolation, *Combinatorics Probability and Computing* **18** (2009), 83–106, with B. Bollobás and S. Janson.
45. Metrics for sparse graphs, in *Surveys in Combinatorics 2009*, London Math. Soc. Lecture Notes Series **365**, S. Huczynska, J.D. Mitchell and C.M. Roney-Dougal eds, CUP 2009, pp. 211–287, with B. Bollobás.
46. Random graphs and branching processes, in *Handbook of large-scale random networks*, *Bolyai Soc. Math. Stud* **18**, B. Bollobás, R. Kozma and D. Miklós eds (2009), pp. 15–115, with B. Bollobás.
47. Scale-free cortical planar networks: Mathematical models, appendix to a paper by W.J. Freeman and R. Kozma, in *Handbook of large-scale random networks*, *Bolyai Soc. Math. Stud* **18**, B. Bollobás, R. Kozma and D. Miklós eds (2009), pp. 307–317.
48. Clique percolation, *Random Struct. Alg.* **35** (2009), 294–322, with B. Bollobás.
49. Percolation on dense graph sequences, *Annals of Probability* **38** (2010), 150–183, with B. Bollobás, C. Borgs and J. Chayes.
50. The cut metric, random graphs, and branching processes, *J. Statistical Physics* **140** (2010), 289–335, with B. Bollobás and S. Janson,
51. Percolation on self-dual polygon configurations, in *An Irregular Mind – Szemerédi is 70*, I. Bárány and J. Solymosi eds., *Bolyai Soc. Math. Studies* **21**, Springer, Berlin, 2010, pp. 131–217, with B. Bollobás.
52. Percolation on sequences of graphs, 24 pp., *Proceedings of the International Congress of Mathematicians, Hyderabad, India, 2010*.
53. The diameter of sparse random graphs, *Combinatorics, Probability and Computing* **19** (2010), 835–926, with N. Wormald.
54. On covering by translates of a set, *Random Structures and Algorithms* **38** (2011), 33–67, with B. Bollobás and S. Janson.
55. Sparse random graphs with clustering, *Random Structures and Algorithms* **38** (2011), 269–323, with B. Bollobás and S. Janson.

56. Sparse graphs: Metrics and random models, *Random Structures and Algorithms* **39** (2011), 1–38, with B. Bollobás.
57. Explosive percolation is continuous, *Science* **333** (2011), 322–324, with L. Warnke.
58. Duality in inhomogeneous random graphs, and the cut metric, *Random Structures and Algorithms* **39** (2011), 399–411, with S. Janson.
59. Asymptotic normality of the size of the giant component via a random walk, *J. Combinatorial Theory B* **102** (2012), 53–61, with B. Bollobás.
60. The inefficiency of re-weighted sampling and the curse of system size in high order path integration, *Proc. Royal Soc. Ser. A* **468** (2012), 2–17, with M. Ceriotti, G.A.R. Brain and D.E. Manolopoulos.
61. The phase transition in the configuration model, *Combinatorics, Probability and Computing* **21** (2012), 265–299.
62. Susceptibility in inhomogeneous random graphs, *Electronic J. Combinatorics* **19** (2012), P31 (59 pp), with S. Janson.

Accepted

63. Achlioptas process phase transitions are continuous, 17 pp., to appear in *Annals of Applied Probability*, with L. Warnke.
<http://arxiv.org/abs/1102.5306>
64. The phase transition in random graphs: the emergence of the giant component, 33 pp., with B. Bollobás.
65. Monotone graph limits and quasimonotone graphs, 38 pp., to appear in *Internet Mathematics*, with B. Bollobás and S. Janson.
<http://www.arxiv.org/abs/1011.4296>
66. Linear algebra and bootstrap percolation, 10 pp., to appear in *J. Combinatorial Theory A*, with J. Balogh, B. Bollobás and R. Morris.
<http://arxiv.org/abs/1107.1410>

Submitted

67. Achlioptas processes can be nonconvergent, 4 pp., with L. Warnke.
<http://arxiv.org/abs/1111.6177>
68. Convergence of Achlioptas processes via differential equations with unique solutions, 14 pp., with L. Warnke.
<http://arxiv.org/abs/1111.6179>
69. Asymptotic normality of the size of the giant component in a random hypergraph, 11 pp., with B. Bollobás.
<http://www.arxiv.org/abs/1112.3615>
70. The Janson inequalities for general up-sets, 5 pp., with L. Warnke,
<http://arxiv.org/abs/1203.1024>

Books

Percolation, Cambridge University Press, September 2006, 323 pp, with B. Bollobás.