

# Benny Sudakov

## List of Publications by Year in descending order

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187  
papers

3,443  
citations

159358

30  
h-index

214527

47  
g-index

187  
all docs

187  
docs citations

187  
times ranked

1068  
citing authors

#	ARTICLE	IF	CITATIONS
1	Counting $H$ -free orientations of graphs. <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 2023, 174, 79-95.	0.3	2
2	The Extremal Number of Tight Cycles. <i>International Mathematics Research Notices</i> , 2022, 2022, 9663-9684.	0.5	10
3	Uniform chain decompositions and applications. <i>Random Structures and Algorithms</i> , 2022, 60, 261-286.	0.6	1
4	Infinite Sperner's theorem. <i>Journal of Combinatorial Theory - Series A</i> , 2022, 187, 105558.	0.5	1
5	Lower Bounds for Max-Cut in $H$ -Free Graphs via Semidefinite Programming. <i>SIAM Journal on Discrete Mathematics</i> , 2021, 35, 1557-1568.	0.4	4
6	Tournament Quasirandomness from Local Counting. <i>Combinatorica</i> , 2021, 41, 175-208.	0.6	7
7	Powers of paths in tournaments. <i>Combinatorics Probability and Computing</i> , 2021, 30, 894-898.	0.8	4
8	Covering Graphs by Monochromatic Trees and Helly-Type Results for Hypergraphs. <i>Combinatorica</i> , 2021, 41, 319-352.	0.6	1
9	The regularity method for graphs with few 4-cycles. <i>Journal of the London Mathematical Society</i> , 2021, 104, 2376-2401.	0.5	4
10	$C_4$ -free subgraphs with large average degree. <i>Israel Journal of Mathematics</i> , 2021, 246, 55.	0.4	3
11	Ramsey Graphs Induce Subgraphs of Quadratically Many Sizes. <i>International Mathematics Research Notices</i> , 2020, 2020, 1621-1638.	0.5	4
12	An extremal problem for integer sparse recovery. <i>Linear Algebra and Its Applications</i> , 2020, 586, 1-6.	0.4	5
13	Proof of the Brown-Erdős-Sós conjecture in groups. <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 2020, 169, 323-333.	0.3	4
14	Long Monotone Trails in Random Edge-Labelings of Random Graphs. <i>Combinatorics Probability and Computing</i> , 2020, 29, 22-30.	0.8	2
15	Long directed rainbow cycles and rainbow spanning trees. <i>European Journal of Combinatorics</i> , 2020, 88, 103102.	0.5	2
16	The oriented size Ramsey number of directed paths. <i>European Journal of Combinatorics</i> , 2020, 88, 103103.	0.5	4
17	Nearly-linear monotone paths in edge-ordered graphs. <i>Israel Journal of Mathematics</i> , 2020, 238, 663-685.	0.4	6
18	Ramsey Goodness of Cycles. <i>SIAM Journal on Discrete Mathematics</i> , 2020, 34, 1884-1908.	0.4	3

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19	Short proofs of some extremal results. <i>Random Structures and Algorithms</i> , 2020, 57, 958-982.	0.6	3
20	Turán number of bipartite graphs with no $K_{2,t}$ . <i>Proceedings of the American Mathematical Society</i> , 2020, 148, 2811-2818.	0.4	6
21	Books versus Triangles at the Extremal Density. <i>SIAM Journal on Discrete Mathematics</i> , 2020, 34, 385-398.	0.4	1
22	Orthonormal Representations of H-Free Graphs. <i>Discrete and Computational Geometry</i> , 2020, 64, 654-670.	0.4	1
23	Number of 1-Factorizations of Regular High-Degree Graphs. <i>Combinatorica</i> , 2020, 40, 315-344.	0.6	1
24	Monochromatic trees in random tournaments. <i>Combinatorics Probability and Computing</i> , 2020, 29, 318-345.	0.8	1
25	Halfway to Rota's Basis Conjecture. <i>International Mathematics Research Notices</i> , 2020, 2020, 8007-8026.	0.5	7
26	Dense Induced Bipartite Subgraphs in Triangle-Free Graphs. <i>Combinatorica</i> , 2020, 40, 283-305.	0.6	6
27	Lower Bounds for Max-Cut via Semidefinite Programming. <i>Lecture Notes in Computer Science</i> , 2020, , 479-490.	1.0	0
28	Colouring set families without monochromatic k-chains. <i>Journal of Combinatorial Theory - Series A</i> , 2019, 168, 84-119.	0.5	4
29	Submodular Minimization Under Congruency Constraints. <i>Combinatorica</i> , 2019, 39, 1351-1386.	0.6	10
30	Hypergraph cuts above the average. <i>Israel Journal of Mathematics</i> , 2019, 233, 67-111.	0.4	7
31	3-color bipartite Ramsey number of cycles and paths. <i>Journal of Graph Theory</i> , 2019, 92, 445-459.	0.5	11
32	An algebraic perspective on integer sparse recovery. <i>Applied Mathematics and Computation</i> , 2019, 340, 31-42.	1.4	13
33	Directed Ramsey number for trees. <i>Journal of Combinatorial Theory Series B</i> , 2019, 137, 145-177.	0.6	4
34	Anticoncentration for subgraph statistics. <i>Journal of the London Mathematical Society</i> , 2019, 99, 757-777.	0.5	12
35	Equiangular Subspaces in Euclidean Spaces. <i>Discrete and Computational Geometry</i> , 2019, 61, 81-90.	0.4	1
36	Monochromatic paths in random tournaments. <i>Random Structures and Algorithms</i> , 2019, 54, 69-81.	0.6	8

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37	Ramsey Goodness of Bounded Degree Trees. <i>Combinatorics Probability and Computing</i> , 2018, 27, 289-309.	0.8	6
38	Non-trivially intersecting multi-part families. <i>Journal of Combinatorial Theory - Series A</i> , 2018, 156, 44-60.	0.5	3
39	Intercalates and discrepancy in random Latin squares. <i>Random Structures and Algorithms</i> , 2018, 52, 181-196.	0.6	9
40	Hereditary quasirandomness without regularity. <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 2018, 164, 385-399.	0.3	4
41	Equiangular lines and spherical codes in Euclidean space. <i>Inventiones Mathematicae</i> , 2018, 211, 179-212.	1.3	25
42	Supersaturation in posets and applications involving the container method. <i>Journal of Combinatorial Theory - Series A</i> , 2018, 154, 247-284.	0.5	4
43	Monochromatic cycle covers in random graphs. <i>Random Structures and Algorithms</i> , 2018, 53, 667-691.	0.6	6
44	Minimum saturated families of sets. <i>Bulletin of the London Mathematical Society</i> , 2018, 50, 725-732.	0.4	3
45	Counting Hamilton Decompositions of Oriented Graphs. <i>International Mathematics Research Notices</i> , 2018, 2018, 6908-6933.	0.5	6
46	Packing Hamilton Cycles Online. <i>Combinatorics Probability and Computing</i> , 2018, 27, 475-495.	0.8	1
47	Linearly many rainbow trees in properly edge-coloured complete graphs. <i>Journal of Combinatorial Theory Series B</i> , 2018, 132, 134-156.	0.6	13
48	Cycles in triangle-free graphs of large chromatic number. <i>Combinatorica</i> , 2017, 37, 481-494.	0.6	10
49	Two-Sided, Unbiased Version of Hall's Marriage Theorem. <i>American Mathematical Monthly</i> , 2017, 124, 79.	0.2	6
50	On graphs decomposable into induced matchings of linear sizes. <i>Bulletin of the London Mathematical Society</i> , 2017, 49, 45-57.	0.4	7
51	Saturation in random graphs. <i>Random Structures and Algorithms</i> , 2017, 51, 169-181.	0.6	14
52	Directed Ramsey number for trees. <i>Electronic Notes in Discrete Mathematics</i> , 2017, 61, 169-175.	0.4	0
53	Monochromatic paths in random tournaments. <i>Electronic Notes in Discrete Mathematics</i> , 2017, 61, 177-183.	0.4	0
54	Edge-disjoint rainbow trees in properly coloured complete graphs. <i>Electronic Notes in Discrete Mathematics</i> , 2017, 61, 995-1001.	0.4	1

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55	The Threshold Probability for Long Cycles. <i>Combinatorics Probability and Computing</i> , 2017, 26, 208-247.	0.8	5
56	Bounded colorings of multipartite graphs and hypergraphs. <i>European Journal of Combinatorics</i> , 2017, 66, 235-249.	0.5	4
57	Finding paths in sparse random graphs requires many queries. <i>Random Structures and Algorithms</i> , 2017, 50, 71-85.	0.6	5
58	Compatible Hamilton cycles in Dirac graphs. <i>Combinatorica</i> , 2017, 37, 697-732.	0.6	6
59	Equiangular lines and subspaces in Euclidean spaces. <i>Electronic Notes in Discrete Mathematics</i> , 2017, 61, 85-91.	0.4	0
60	Counting and packing Hamilton cycles in dense graphs and oriented graphs. <i>Journal of Combinatorial Theory Series B</i> , 2017, 122, 196-220.	0.6	12
61	Ordered Ramsey numbers. <i>Journal of Combinatorial Theory Series B</i> , 2017, 122, 353-383.	0.6	29
62	Ramsey goodness of paths. <i>Journal of Combinatorial Theory Series B</i> , 2017, 122, 384-390.	0.6	11
63	Domination in 3-tournaments. <i>Journal of Combinatorial Theory - Series A</i> , 2017, 146, 165-168.	0.5	1
64	Properly colored and rainbow copies of graphs with few cherries. <i>Journal of Combinatorial Theory Series B</i> , 2017, 122, 391-416.	0.6	10
65	The number of Hamiltonian decompositions of regular graphs. <i>Israel Journal of Mathematics</i> , 2017, 222, 91-108.	0.4	8
66	Random subgraphs of properly edge-coloured complete graphs and long rainbow cycles. <i>Israel Journal of Mathematics</i> , 2017, 222, 317-331.	0.4	20
67	Testing Equality in Communication Graphs. <i>IEEE Transactions on Information Theory</i> , 2017, 63, 7569-7574.	1.5	4
68	Compatible Hamilton cycles in random graphs. <i>Random Structures and Algorithms</i> , 2016, 49, 533-557.	0.6	5
69	Random directed graphs are robustly Hamiltonian. <i>Random Structures and Algorithms</i> , 2016, 49, 345-362.	0.6	6
70	The number of additive triples in subsets of abelian groups. <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 2016, 160, 495-512.	0.3	4
71	Short proofs of some extremal results II. <i>Journal of Combinatorial Theory Series B</i> , 2016, 121, 173-196.	0.6	8
72	Cycles and Matchings in Randomly Perturbed Digraphs and Hypergraphs. <i>Combinatorics Probability and Computing</i> , 2016, 25, 909-927.	0.8	32

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73	Finding Hamilton cycles in random graphs with few queries. <i>Random Structures and Algorithms</i> , 2016, 49, 635-668.	0.6	9
74	The minimum number of disjoint pairs in set systems and related problems. <i>Combinatorica</i> , 2016, 36, 623-660.	0.6	11
75	Some Remarks on Rainbow Connectivity. <i>Journal of Graph Theory</i> , 2016, 83, 372-383.	0.5	10
76	Almost-Fisher families. <i>Journal of Combinatorial Theory - Series A</i> , 2016, 138, 175-207.	0.5	0
77	Judicious partitions of directed graphs. <i>Random Structures and Algorithms</i> , 2016, 48, 147-170.	0.6	10
78	Ramsey numbers of cubes versus cliques. <i>Combinatorica</i> , 2016, 36, 37-70.	0.6	4
79	Sperner's Theorem and a Problem of Erdős, Katona and Kleitman. <i>Combinatorics Probability and Computing</i> , 2015, 24, 585-608.	0.8	17
80	Decomposing Random Graphs into Few Cycles and Edges. <i>Combinatorics Probability and Computing</i> , 2015, 24, 857-872.	0.8	5
81	Some Remarks on Rainbow Connectivity. <i>Electronic Notes in Discrete Mathematics</i> , 2015, 49, 123-131.	0.4	0
82	Almost-Fisher families. <i>Electronic Notes in Discrete Mathematics</i> , 2015, 49, 293-300.	0.4	2
83	Recent developments in graph Ramsey theory. , 2015, , 49-118.		67
84	Small complete minors above the extremal edge density. <i>Combinatorica</i> , 2015, 35, 75-94.	0.6	17
85	Discrepancy of random graphs and hypergraphs. <i>Random Structures and Algorithms</i> , 2015, 47, 147-162.	0.6	3
86	Long paths and cycles in random subgraphs of graphs with large minimum degree. <i>Random Structures and Algorithms</i> , 2015, 46, 320-345.	0.6	15
87	The Erdős-Cyfus problem on generalized Ramsey numbers. <i>Proceedings of the London Mathematical Society</i> , 2015, 110, 1-18.	0.6	14
88	Comparable pairs in families of sets. <i>Journal of Combinatorial Theory Series B</i> , 2015, 115, 164-185.	0.6	3
89	On the number of monotone sequences. <i>Journal of Combinatorial Theory Series B</i> , 2015, 115, 132-163.	0.6	4
90	Swarming on Random Graphs II. <i>Journal of Statistical Physics</i> , 2015, 158, 699-734.	0.5	3



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109	On two problems in graph Ramsey theory. <i>Combinatorica</i> , 2012, 32, 513-535.	0.6	29
110	Maximum union-free subfamilies. <i>Israel Journal of Mathematics</i> , 2012, 191, 959-971.	0.4	1
111	Dirac's theorem for random graphs. <i>Random Structures and Algorithms</i> , 2012, 41, 293-305.	0.6	38
112	The size Ramsey number of a directed path. <i>Journal of Combinatorial Theory Series B</i> , 2012, 102, 743-755.	0.6	40
113	Long cycles in subgraphs of (pseudo)random directed graphs. <i>Journal of Graph Theory</i> , 2012, 70, 284-296.	0.5	15
114	On the Resilience of Hamiltonicity and Optimal Packing of Hamilton Cycles in Random Graphs. <i>SIAM Journal on Discrete Mathematics</i> , 2011, 25, 1176-1193.	0.4	36
115	Generating all subsets of a finite set with disjoint unions. <i>Journal of Combinatorial Theory - Series A</i> , 2011, 118, 2319-2345.	0.5	3
116	Large almost monochromatic subsets in hypergraphs. <i>Israel Journal of Mathematics</i> , 2011, 181, 423-432.	0.4	10
117	Regular induced subgraphs of a random Graph. <i>Random Structures and Algorithms</i> , 2011, 38, 235-250.	0.6	5
118	Dependent random choice. <i>Random Structures and Algorithms</i> , 2011, 38, 68-99.	0.6	61
119	A conjecture of Erdős on graph Ramsey numbers. <i>Advances in Mathematics</i> , 2011, 227, 601-609.	0.5	11
120	Local Resilience and Hamiltonicity Maker-Breaker Games in Random Regular Graphs. <i>Combinatorics Probability and Computing</i> , 2011, 20, 173-211.	0.8	26
121	Cycles in graphs with large independence ratio. <i>Electronic Journal of Combinatorics</i> , 2011, 2, 83-102.	0.1	2
122	Recent Developments in Extremal Combinatorics: Ramsey and Turán Type Problems. , 2011, , .		2
123	An Approximate Version of Sidorenko's Conjecture. <i>Geometric and Functional Analysis</i> , 2010, 20, 1354-1366.	0.6	60
124	A randomized embedding algorithm for trees. <i>Combinatorica</i> , 2010, 30, 445-470.	0.6	10
125	Hamiltonicity thresholds in Achlioptas processes. <i>Random Structures and Algorithms</i> , 2010, 37, 1-24.	0.6	28
126	Directed Graphs Without Short Cycles. <i>Combinatorics Probability and Computing</i> , 2010, 19, 285-301.	0.8	6



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127	Decompositions into Subgraphs of Small Diameter. <i>Combinatorics Probability and Computing</i> , 2010, 19, 753-774.	0.8	3
128	Maximizing the number of $q$ -colorings. <i>Proceedings of the London Mathematical Society</i> , 2010, 101, 655-696.	0.6	20
129	Increasing the chromatic number of a random graph. <i>Electronic Journal of Combinatorics</i> , 2010, 1, 345-356.	0.1	6
130	On the Random Satisfiable Process. <i>Combinatorics Probability and Computing</i> , 2009, 18, 775-801.	0.8	8
131	Constrained Ramsey Numbers. <i>Combinatorics Probability and Computing</i> , 2009, 18, 247-258.	0.8	5
132	Density theorems for bipartite graphs and related Ramsey-type results. <i>Combinatorica</i> , 2009, 29, 153-196.	0.6	60
133	Discrete Kakeya-type problems and small bases. <i>Israel Journal of Mathematics</i> , 2009, 174, 285-301.	0.4	3
134	Avoiding small subgraphs in Achlioptas processes. <i>Random Structures and Algorithms</i> , 2009, 34, 165-195.	0.6	22
135	Ramsey numbers of sparse hypergraphs. <i>Random Structures and Algorithms</i> , 2009, 35, 1-14.	0.6	19
136	Two remarks on the Burr-Erdős conjecture. <i>European Journal of Combinatorics</i> , 2009, 30, 1630-1645.	0.5	20
137	Ramsey-Type Problem for an Almost Monochromatic $K_4$ . <i>SIAM Journal on Discrete Mathematics</i> , 2009, 23, 155-162.	0.4	14
138	Cycle lengths in sparse graphs. <i>Combinatorica</i> , 2008, 28, 357-372.	0.6	31
139	The game chromatic number of random graphs. <i>Random Structures and Algorithms</i> , 2008, 32, 223-235.	0.6	14
140	Local resilience of graphs. <i>Random Structures and Algorithms</i> , 2008, 33, 409-433.	0.6	77
141	How many random edges make a dense hypergraph non-2-colorable?. <i>Random Structures and Algorithms</i> , 2008, 32, 290-306.	0.6	7
142	Unavoidable patterns. <i>Journal of Combinatorial Theory - Series A</i> , 2008, 115, 1561-1569.	0.5	16
143	Induced Ramsey-type theorems. <i>Advances in Mathematics</i> , 2008, 219, 1771-1800.	0.5	40
144	Large Nearly Regular Induced Subgraphs. <i>SIAM Journal on Discrete Mathematics</i> , 2008, 22, 1325-1337.	0.4	10

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145	On the Strong Chromatic Number of Random Graphs. <i>Combinatorics Probability and Computing</i> , 2008, 17, 271-286.	0.8	5
146	Rainbow Turán Problems. <i>Combinatorics Probability and Computing</i> , 2007, 16, 109.	0.8	42
147	On graphs with subgraphs having large independence numbers. <i>Journal of Graph Theory</i> , 2007, 56, 149-157.	0.5	2
148	Embedding nearly-spanning bounded degree trees. <i>Combinatorica</i> , 2007, 27, 629-644.	0.6	36
149	Note making a $K_4$ -free graph bipartite. <i>Combinatorica</i> , 2007, 27, 509-518.	0.6	12
150	On smoothed analysis in dense graphs and formulas. <i>Random Structures and Algorithms</i> , 2006, 29, 180-193.	0.6	33
151	Non-interactive correlation distillation, inhomogeneous Markov chains, and the reverse Bonami-Beckner inequality. <i>Israel Journal of Mathematics</i> , 2006, 154, 299-336.	0.4	67
152	A Ramsey-type result for the hypercube. <i>Journal of Graph Theory</i> , 2006, 53, 196-208.	0.5	20
153	Pseudo-random Graphs. <i>Bolyai Society Mathematical Studies</i> , 2006, , 199-262.	0.3	161
154	A generalization of Turán's theorem. <i>Journal of Graph Theory</i> , 2005, 49, 187-195.	0.5	13
155	A New Lower Bound For A Ramsey-Type Problem. <i>Combinatorica</i> , 2005, 25, 487-498.	0.6	14
156	The Turán Number Of The Fano Plane. <i>Combinatorica</i> , 2005, 25, 561-574.	0.6	63
157	On A Hypergraph Turán Problem Of Frankl. <i>Combinatorica</i> , 2005, 25, 673-706.	0.6	41
158	Large $K_r$ -free subgraphs in $K_s$ -free graphs and some other Ramsey-type problems. <i>Random Structures and Algorithms</i> , 2005, 26, 253-265.	0.6	25
159		0.8	30
160	THE NUMBER OF EDGE COLORINGS WITH NO MONOCHROMATIC CLIQUES. <i>Journal of the London Mathematical Society</i> , 2004, 70, 273-288.	0.5	52
161	On the Value of a Random Minimum Weight Steiner Tree. <i>Combinatorica</i> , 2004, 24, 187-207.	0.6	20
162	List Colouring When The Chromatic Number Is Close To the Order Of The Graph. <i>Combinatorica</i> , 2004, 25, 117-123.	0.6	22

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163	Packing triangles in a graph and its complement. <i>Journal of Graph Theory</i> , 2004, 47, 203-216.	0.5	10
164	Extremal set systems with restricted $k$ -wise intersections. <i>Journal of Combinatorial Theory - Series A</i> , 2004, 105, 143-159.	0.5	18
165	On the Largest Eigenvalue of a Random Subgraph of the Hypercube. <i>Communications in Mathematical Physics</i> , 2003, 239, 53-63.	1.0	3
166	Sparse pseudo-random graphs are Hamiltonian. <i>Journal of Graph Theory</i> , 2003, 42, 17-33.	0.5	52
167	Induced subgraphs of prescribed size. <i>Journal of Graph Theory</i> , 2003, 43, 239-251.	0.5	14
168	On the probability of independent sets in random graphs. <i>Random Structures and Algorithms</i> , 2003, 22, 1-14.	0.6	16
169	Maximum cuts and judicious partitions in graphs without short cycles. <i>Journal of Combinatorial Theory Series B</i> , 2003, 88, 329-346.	0.6	54
170	Local Density in Graphs with Forbidden Subgraphs. <i>Combinatorics Probability and Computing</i> , 2003, 12, .	0.8	8
171	The Largest Eigenvalue of Sparse Random Graphs. <i>Combinatorics Probability and Computing</i> , 2003, 12, .	0.8	108
172	Turán Numbers of Bipartite Graphs and Related Ramsey-Type Questions. <i>Combinatorics Probability and Computing</i> , 2003, 12, 477-494.	0.8	87
173	A Sharp Threshold for Network Reliability. <i>Combinatorics Probability and Computing</i> , 2002, 11, 465-474.	0.8	15
174	On $k$ -wise set-intersections and $k$ -wise Hamming-distances. <i>Journal of Combinatorial Theory - Series A</i> , 2002, 99, 180-190.	0.5	26
175	On the asymmetry of random regular graphs and random graphs. <i>Random Structures and Algorithms</i> , 2002, 21, 216-224.	0.6	54
176	Random regular graphs of high degree. <i>Random Structures and Algorithms</i> , 2001, 18, 346-363.	0.6	73
177	Acyclic edge colorings of graphs. <i>Journal of Graph Theory</i> , 2001, 37, 157-167.	0.5	130
178	Bipartite Subgraphs and the Smallest Eigenvalue. <i>Combinatorics Probability and Computing</i> , 2000, 9, 1-12.	0.8	49
179	List Coloring of Random and Pseudo-Random Graphs. <i>Combinatorica</i> , 1999, 19, 453-472.	0.6	36
180	Coloring Graphs with Sparse Neighborhoods. <i>Journal of Combinatorial Theory Series B</i> , 1999, 77, 73-82.	0.6	77

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181	The chromatic numbers of random hypergraphs. Random Structures and Algorithms, 1998, 12, 381-403.	0.6	44
182	Finding a large hidden clique in a random graph. , 1998, 13, 457-466.		143
183	Finding a large hidden clique in a random graph. , 1998, 13, 457.		6
184	Finding a large hidden clique in a random graph. , 1998, 13, 457.		14
185	A Note on $\bar{r}$ -Critical Linear Hypergraphs. Graphs and Combinatorics, 1997, 13, 281-285.	0.2	0
186	Disjoint systems. Random Structures and Algorithms, 1995, 6, 13-20.	0.6	2
187	The intersection spectrum of $\chi$ -chromatic intersecting hypergraphs. Proceedings of the London Mathematical Society, 0, , .	0.6	0