Svante Janson

List of Publications by Year
in descending order

182 papers	6,612 citations	109321 35 h-index	123424 61 g-index
186 all docs	186 docs citations	186 times ranked	2138 citing authors

#	Article	IF	Citations
1	Central limit theorems for additive functionals and fringe trees in tries. Electronic Journal of Probability, 2022, 27, .	1.0	1
2	On convergence for graphexes. European Journal of Combinatorics, 2022, 104, 103549.	0.8	0
3	On general subtrees of a conditioned Galton–Watson tree. Electronic Communications in Probability, 2021, 26, .	0.4	2
4	A.s. convergence for infinite colour PÃ³lya urns associated with random walks. Arkiv for Matematik, 2021, 59, 87-123.	0.5	2
5	Tree limits and limits of random trees. Combinatorics Probability and Computing, 2021, 30, 849-893.	1.3	5
6	On the probability that a binomial variable is at most its expectation. Statistics and Probability Letters, 2021, 171, 109020.	0.7	5
7	Tensor norms on ordered normed spaces, polarization constants, and exchangeable distributions. Mathematische Nachrichten, 2021, 294, 1484-1522.	0.8	0
8	Preferential attachment without vertex growth: Emergence of the giant component. Annals of Applied Probability, 2021, 31, .	1.3	4
9	To fixate or not to fixate in two-type annihilating branching random walks. Annals of Probability, 2021, 49, .	1.8	1
10	Can smooth graphons in several dimensions be represented by smooth graphons on $[0,1]$? Examples and Counterexamples, 2021, 1, 100011.	0.6	2
11	Patterns in Random Permutations Avoiding Some Sets of Multiple Patterns. Algorithmica, 2020, 82, 616-641.	1.3	8
12	Strong convergence of infinite color balanced urns under uniform ergodicity. Journal of Applied Probability, 2020, 57, 853-865.	0.7	3
13	Mean and variance of balanced PÃ³lya urns. Advances in Applied Probability, 2020, 52, 1224-1248.	0.7	5
14	Random graphs with given vertex degrees and switchings. Random Structures and Algorithms, 2020, 57, 3-31.	1.1	4
15	Asymptotic normality in random graphs with given vertex degrees. Random Structures and Algorithms, 2020, 56, 1070-1116.	1.1	1
16	Rate of convergence for traditional PÃ³lya urns. Journal of Applied Probability, 2020, 57, 1029-1044.	0.7	0
17	Random Recursive Trees and Preferential Attachment Trees are Random Split Trees. Combinatorics Probability and Computing, 2019, 28, 81-99.	1.3	12
18	Competition in growth and urns. Random Structures and Algorithms, 2019, 54, 211-227.	1.1	4

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19	Component structure of the configuration model: Barely supercritical case. Random Structures and Algorithms, 2019, 55, 3-55.	1.1	8
20	Competing first passage percolation on random graphs with finite variance degrees. Random Structures and Algorithms, 2019, 55, 545-559.	1.1	1
21	Inversions in Split Trees and Conditional Galton–Watson Trees. Combinatorics Probability and Computing, 2019, 28, 335-364.	1.3	5
22	A modified bootstrap percolation on a random graph coupled with a lattice. Discrete Applied Mathematics, 2019, 258, 152-165.	0.9	6
23	Long Term Behaviour of a Reversible System of Interacting Random Walks. Journal of Statistical Physics, 2019, 175, 71-96.	1.2	4
24	Patterns in random permutations avoiding the pattern 321. Random Structures and Algorithms, 2019, 55, 249-270.	1.1	8
25	Sesqui-type branching processes. Stochastic Processes and Their Applications, 2018, 128, 3628-3655.	0.9	2
26	Tail bounds for sums of geometric and exponential variables. Statistics and Probability Letters, 2018, 135, 1-6.	0.7	85
27	On Edge Exchangeable Random Graphs. Journal of Statistical Physics, 2018, 173, 448-484.	1.2	10
28	Graph properties, graph limits, and entropy. Journal of Graph Theory, 2018, 87, 208-229.	0.9	4
29	Asymptotics of fluctuations in Crump–Mode–Jagers processes: the lattice case. Advances in Applied Probability, 2018, 50, 141-171.	0.7	2
30	Non-Fringe Subtrees in Conditioned Galton—Watson Trees. Electronic Journal of Combinatorics, 2018, 25, .	0.4	0
31	On String Graph Limits and the Structure of a Typical String Graph. Journal of Graph Theory, 2017, 84, 386-407.	0.9	4
32	Near-critical SIR epidemic on a random graph with given degrees. Journal of Mathematical Biology, 2017, 74, 843-886.	1.9	3
33	Patterns in Random Permutations Avoiding the Pattern 132. Combinatorics Probability and Computing, 2017, 26, 24-51.	1.3	17
34	Packing random graphs and hypergraphs. Random Structures and Algorithms, 2017, 51, 3-13.	1.1	3
35	The Greedy Independent Set in a Random Graph with Given Degrees. Random Structures and Algorithms, 2017, 51, 565-586.	1.1	7
36	The lower tail: Poisson approximation revisited. Random Structures and Algorithms, 2016, 48, 219-246.	1.1	19

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37	On a representation theorem for finitely exchangeable random vectors. Journal of Mathematical Analysis and Applications, 2016, 442, 703-714.	1.0	11
38	On the Length of a Random Minimum Spanning Tree. Combinatorics Probability and Computing, 2016, 25, 89-107.	1.3	19
39	A Unified Approach to Linear Probing Hashing with Buckets. Algorithmica, 2016, 75, 724-781.	1.3	3
40	Asymptotic normality of fringe subtrees and additive functionals in conditioned Galton-Watson trees. Random Structures and Algorithms, 2016, 48, 57-101.	1.1	33
41	Graph limits and hereditary properties. European Journal of Combinatorics, 2016, 52, 321-337.	0.8	9
42	Feynman–Kac theorems for generalized diffusions. Transactions of the American Mathematical Society, 2015, 367, 8051-8070.	0.9	0
43	On the tails of the limiting Quicksort distribution. Electronic Communications in Probability, 2015, 20, .	0.4	11
44	On degenerate sums of m-dependent variables. Journal of Applied Probability, 2015, 52, 1146-1155.	0.7	6
45	More on quasi-random graphs, subgraph counts and graph limits. European Journal of Combinatorics, 2015, 46, 134-160.	0.8	3
46	On the asymptotic statistics of the number of occurrences of multiple permutation patterns. Electronic Journal of Combinatorics, 2015, 6, 117-143.	0.1	16
47	The probability that a random multigraph is simple. II. Journal of Applied Probability, 2014, 51, 123-137.	0.7	7
48	On the Spread of Random Graphs. Combinatorics Probability and Computing, 2014, 23, 477-504.	1.3	0
49	Law of large numbers for the SIR epidemic on a random graph with given degrees. Random Structures and Algorithms, 2014, 45, 726-763.	1.1	62
50	Weighted Random Staircase Tableaux. Combinatorics Probability and Computing, 2014, 23, 1114-1147.	1.3	4
51	Asymptotic bias of some election methods. Annals of Operations Research, 2014, 215, 89-136.	4.1	36
52	Protected nodes and fringe subtrees in some random trees. Electronic Communications in Probability, 2014, 19, .	0.4	21
53	The probability that a random multigraph is simple. II. Journal of Applied Probability, 2014, 51, 123-137.	0.7	23
54	On the Typical Structure of Graphs in a Monotone Property. Electronic Journal of Combinatorics, 2014, 21, .	0.4	1

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55	Can time-homogeneous diffusions produce any distribution?. Probability Theory and Related Fields, 2013, 155, 493-520.	1.8	13
56	Interval Graph Limits. Annals of Combinatorics, 2013, 17, 27-52.	0.6	15
57	Note on a partition limit theorem for rank and crank. Bulletin of the London Mathematical Society, 2013, 45, 551-553.	0.8	8
58	Sub-Gaussian tail bounds for the width and height of conditioned Galton–Watson trees. Annals of Probability, 2013, 41, .	1.8	34
59	An example of graph limits of growing sequences of random graphs. Electronic Journal of Combinatorics, 2013, 4, 67-80.	0.1	2
60	Monotone Graph Limits and Quasimonotone Graphs. Internet Mathematics, 2012, 8, 187-231.	0.7	3
61	The Probability of the Alabama Paradox. Journal of Applied Probability, 2012, 49, 773-794.	0.7	29
62	Bootstrap percolation on the random graph $G_{n,p}$. Annals of Applied Probability, 2012, 22, .	1.3	100
63	ABSOLUTELY CONTINUOUS COMPENSATORS. , 2012, , 433-449.		1
64	Phase transitions for modified Erdős–Rényi processes. Arkiv for Matematik, 2012, 50, 305-329.	0.5	10
65	Simply generated trees, conditioned Galton–Watson trees, random allocations and condensation. Probability Surveys, 2012, 9, .	1.3	127
66	Renewal theory in the analysis of tries and strings. Theoretical Computer Science, 2012, 416, 33-54.	0.9	3
67	Limits of interval orders and semiorders. Electronic Journal of Combinatorics, 2012, 3, 163-183.	0.1	1
68	Quasi-random graphs and graph limits. European Journal of Combinatorics, 2011, 32, 1054-1083.	0.8	12
69	Poset limits and exchangeable random posets. Combinatorica, 2011, 31, 529-563.	1.2	20
70	Generalized Stirling permutations, families of increasing trees and urn models. Journal of Combinatorial Theory - Series A, 2011, 118, 94-114.	0.8	39
71	Upper tails for counting objects in randomly induced subhypergraphs and rooted random graphs. Arkiv for Matematik, 2011, 49, 79-96.	0.5	16
72	Long and short paths in uniform random recursive dags. Arkiv for Matematik, 2011, 49, 61-77.	0.5	10

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73	Distances between pairs of vertices and vertical profile in conditioned Galton–Watson trees. Random Structures and Algorithms, 2011, 38, 381-395.	1.1	8
74	Sparse random graphs with clustering. Random Structures and Algorithms, 2011, 38, 269-323.	1.1	32
75	On covering by translates of a set. Random Structures and Algorithms, 2011, 38, 33-67.	1.1	10
76	Duality in inhomogeneous random graphs, and the cut metric. Random Structures and Algorithms, 2011, 39, 399-411.	1.1	5
77	Correlations for paths in random orientations of G(n,p) and G(n,m). Random Structures and Algorithms, 2011, 39, 486-506.	1.1	1
78	Networking–Smoothly Does It. Science, 2011, 333, 298-299.	12.6	5
79	ABSOLUTELY CONTINUOUS COMPENSATORS. International Journal of Theoretical and Applied Finance, 2011, 14, 335-351.	0.5	13
80	The Cut Metric, Random Graphs, and Branching Processes. Journal of Statistical Physics, 2010, 140, 289-335.	1.2	12
81	Asymptotic equivalence and contiguity of some random graphs. Random Structures and Algorithms, 2010, 36, 26-45.	1.1	39
82	Random graphs with forbidden vertex degrees. Random Structures and Algorithms, 2010, 37, 137-175.	1.1	2
83	On the Number of Perfect Matchings in Random Lifts. Combinatorics Probability and Computing, 2010, 19, 791-817.	1.3	15
84	The Maximum of Brownian Motion with Parabolic Drift. Electronic Journal of Probability, 2010, 15, .	1.0	17
85	Susceptibility of random graphs with given vertex degrees. Electronic Journal of Combinatorics, 2010, 1, 357-387.	0.1	11
86	The Integral of the Supremum Process of Brownian Motion. Journal of Applied Probability, 2009, 46, 593-600.	0.7	0
87	The Probability That a Random Multigraph is Simple. Combinatorics Probability and Computing, 2009, 18, 205-225.	1.3	118
88	Line-of-Sight Percolation. Combinatorics Probability and Computing, 2009, 18, 83-106.	1.3	11
89	Precise Logarithmic Asymptotics for the Right Tails of Some Limit Random Variables for Random Trees. Annals of Combinatorics, 2009, 12, 403-416.	0.6	11
90	Sorting Using Complete Subintervals and the Maximum Number of Runs in a Randomly Evolving Sequence. Annals of Combinatorics, 2009, 12, 417-447.	0.6	6

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91	A new approach to the giant component problem. Random Structures and Algorithms, 2009, 34, 197-216.	1.1	70
92	The Integral of the Supremum Process of Brownian Motion. Journal of Applied Probability, 2009, 46, 593-600.	0.7	3
93	The size of random fragmentation trees. Probability Theory and Related Fields, 2008, 142, 399-442.	1.8	17
94	Threshold Graph Limits and Random Threshold Graphs. Internet Mathematics, 2008, 5, 267-320.	0.7	46
95	Dismantling Sparse Random Graphs. Combinatorics Probability and Computing, 2008, 17, 259-264.	1.3	14
96	Individual Displacements in Hashing with Coalesced Chains. Combinatorics Probability and Computing, 2008, 17, 799-814.	1.3	0
97	Susceptibility in subcritical random graphs. Journal of Mathematical Physics, 2008, 49, 125207.	1.1	20
98	On the asymptotic joint distribution of height and width in random trees. Studia Scientiarum Mathematicarum Hungarica, 2008, 45, 451-467.	0.1	2
99	Asymptotic normality of the k-core in random graphs. Annals of Applied Probability, 2008, 18, .	1.3	37
100	Local limit theorems for finite and infinite urn models. Annals of Probability, 2008, 36, .	1.8	40
101	On a Random Graph Related to Quantum Theory. Combinatorics Probability and Computing, 2007, 16, 757.	1.3	10
102	A Point Process Describing the Component Sizes in the Critical Window of the Random Graph Evolution. Combinatorics Probability and Computing, 2007, 16, 631.	1.3	13
103	Graphs with specified degree distributions, simple epidemics, and local vaccination strategies. Advances in Applied Probability, 2007, 39, 922-948.	0.7	33
104	Rainbow Hamilton cycles in random regular graphs. Random Structures and Algorithms, 2007, 30, 35-49.	1.1	11
105	A simple solution to the k-core problem. Random Structures and Algorithms, 2007, 30, 50-62.	1.1	75
106	The phase transition in inhomogeneous random graphs. Random Structures and Algorithms, 2007, 31, 3-122.	1.1	419
107	Spread-out percolation in $\mathbb{R}^d$. Random Structures and Algorithms, 2007, 31, 239-246.	1.1	11
108	Brownian excursion area, Wright's constants in graph enumeration, and other Brownian areas. Probability Surveys, 2007, 4, .	1.3	93

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109	Graphs with specified degree distributions, simple epidemics, and local vaccination strategies. Advances in Applied Probability, 2007, 39, 922-948.	0.7	57
110	Rounding of continuous random variables and oscillatory asymptotics. Annals of Probability, 2006, 34, 1807.	1.8	23
111	The density of the ISE and local limit laws for embedded trees. Annals of Applied Probability, 2006, 16, 1597.	1.3	24
112	Random cutting and records in deterministic and random trees. Random Structures and Algorithms, 2006, 29, 139-179.	1.1	64
113	Addendum to â€œThe Minimal Spanning Tree in a Complete Graph and a Functional Limit Theorem for Trees in a Random Graphâ€. Random Structures and Algorithms, 2006, 28, 511-512.	1.1	4
114	Left and Right Pathlengths in Random Binary Trees. Algorithmica, 2006, 46, 419-429.	1.3	14
115	Limit theorems for triangular urn schemes. Probability Theory and Related Fields, 2006, 134, 417-452.	1.8	112
116	FEYNMANâ€"KAC FORMULAS FOR BLACKâ€"SCHOLES-TYPE OPERATORS. Bulletin of the London Mathematical Society, 2006, 38, 269-282.	0.8	48
117	Superreplication of Options on Several Underlying Assets. Journal of Applied Probability, 2005, 42, 27-38.	0.7	10
118	Some Remarks on the Combinatorics of ISn. Semigroup Forum, 2005, 70, 391-405.	0.6	6
119	Convergence of Discrete Snakes. Journal of Theoretical Probability, 2005, 18, 615-645.	0.8	41
120	The phase transition in the uniformly grown random graph has infinite order. Random Structures and Algorithms, 2005, 26, 1-36.	1.1	24
121	Asymptotic degree distribution in random recursive trees. Random Structures and Algorithms, 2005, 26, 69-83.	1.1	58
122	Individual displacements for linear probing hashing with different insertion policies. ACM Transactions on Algorithms, 2005, 1, 177-213.	1.0	15
123	The First Eigenvalue of Random Graphs. Combinatorics Probability and Computing, 2005, 14, 815.	1.3	6
124	CONVERGENCE OF COINED QUANTUM WALKS ON $\mathbb{R}^d$. Infinite Dimensional Analysis, Quantum Probability and Related Topics, 2005, 08, 129-140.	0.5	12
125	Superreplication of Options on Several Underlying Assets. Journal of Applied Probability, 2005, 42, 27-38.	0.7	13
126	Quicksort with Unreliable Comparisons: A Probabilistic Analysis. Combinatorics Probability and Computing, 2004, 13, 419-449.	1.3	8

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127	On Generalized Random Railways. Combinatorics Probability and Computing, 2004, 13, 31-35.	1.3	2
128	The Deletion Method For Upper Tail Estimates. Combinatorica, 2004, 24, 615-640.	1.2	33
129	Upper tails for subgraph counts in random graphs. Israel Journal of Mathematics, 2004, 142, 61-92.	0.8	77
130	Large deviations for sums of partly dependent random variables. Random Structures and Algorithms, 2004, 24, 234-248.	1.1	87
131	Functional limit theorems for multitype branching processes and generalized PÃ³lya urns. Stochastic Processes and Their Applications, 2004, 110, 177-245.	0.9	218
132	Preservation of convexity of solutions to parabolic equations. Journal of Differential Equations, 2004, 206, 182-226.	2.2	31
133	The Center of Mass of the ISE and the Wiener Index of Trees. Electronic Communications in Probability, 2004, 9, .	0.4	27
134	The Wiener Index of simply generated random trees. Random Structures and Algorithms, 2003, 22, 337-358.	1.1	54
135	On smallest triangles. Random Structures and Algorithms, 2003, 23, 206-223.	1.1	4
136	Cycles and Unicyclic Components in Random Graphs. Combinatorics Probability and Computing, 2003, 12, .	1.3	11
137	Volatility time and properties of option prices. Annals of Applied Probability, 2003, 13, 890.	1.3	32
138	Permutation Pseudographs and Contiguity. Combinatorics Probability and Computing, 2002, 11, 273-298.	1.3	18
139	Quicksort asymptotics. Journal of Algorithms, 2002, 44, 4-28.	0.9	42
140	The infamous upper tail. Random Structures and Algorithms, 2002, 20, 317-342.	1.1	92
141	Random dyadic tilings of the unit square. Random Structures and Algorithms, 2002, 21, 225-251.	1.1	6
142	A Vervaat-like path transformation for the reflected brownian bridge conditioned on its local time at 0. Annals of Probability, 2001, 29, 1755.	1.8	15
143	Moment convergence in conditional limit theorems. Journal of Applied Probability, 2001, 38, 421-437.	0.7	7
144	Moment convergence in conditional limit theorems. Journal of Applied Probability, 2001, 38, 421-437.	0.7	5

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145	Tightness and weak convergence for jump processes. Statistics and Probability Letters, 2001, 52, 101-107.	0.7	5
146	Approximating the limiting Quicksort distribution. Random Structures and Algorithms, 2001, 19, 376-406.	1.1	31
147	Asymptotic distribution for the cost of linear probing hashing. Random Structures and Algorithms, 2001, 19, 438-471.	1.1	28
148	Erratum to ?Bounding the Unsatisfiability Threshold of Random 3-SAT?. Random Structures and Algorithms, 2001, 18, 99-100.	1.1	3
149	Bounding the unsatisfiability threshold of random 3-SAT. Random Structures and Algorithms, 2000, 17, 103-116.	1.1	39
150	Growth of components in random graphs. Random Structures and Algorithms, 2000, 17, 343-356.	1.1	7
151	A Characterization of the Set of Fixed Points of the Quicksort Transformation. Electronic Communications in Probability, 2000, 5, 77.	0.4	22
152	Bounding the unsatisfiability threshold of random 3-SAT. , 2000, 17, 103.		2
153	Bounding the unsatisfiability threshold of random 3â€SAT. Random Structures and Algorithms, 2000, 17, 103-116.	1.1	3
154	Growth of components in random graphs. Random Structures and Algorithms, 2000, 17, 343-356.	1.1	1
155	Smoothness and Decay Properties of the Limiting Quicksort Density Function. , 2000, , 53-64.		29
156	One, Two and Three Times log n/n for Paths in a Complete Graph with Random Weights. Combinatorics Probability and Computing, 1999, 8, 347-361.	1.3	92
157	New versions of Suen's correlation inequality. Random Structures and Algorithms, 1998, 13, 467-483.	1.1	49
158	New versions of Suen's correlation inequality. Random Structures and Algorithms, 1998, 13, 467-483.	1.1	1
159	Shellsort with three increments. Random Structures and Algorithms, 1997, 10, 125-142.	1.1	10
160	Random Regular Graphs: Asymptotic Distributions and Contiguity. Combinatorics Probability and Computing, 1995, 4, 369-405.	1.3	95
161	Hamilton cycles in a random tournament. Random Structures and Algorithms, 1995, 6, 213-220.	1.1	2
162	A graph Fourier transform and proportional graphs. Random Structures and Algorithms, 1995, 6, 341-351.	1.1	4

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163	Perfect matchings in random s-uniform hypergraphs. Random Structures and Algorithms, 1995, 7, 41-57.	1.1	20
164	The minimal spanning tree in a complete graph and a functional limit theorem for trees in a random graph. Random Structures and Algorithms, 1995, 7, 337-355.	1.1	50
165	The Numbers of Spanning Trees, Hamilton Cycles and Perfect Matchings in a Random Graph. Combinatorics Probability and Computing, 1994, 3, 97-126.	1.3	45
166	Orthogonal decompositions and functional limit theorems for random graph statistics. Memoirs of the American Mathematical Society, 1994, 111, 0-0.	0.9	21
167	Multicyclic components in a random graph process. Random Structures and Algorithms, 1993, 4, 71-84.	1.1	21
168	The birth of the giant component. Random Structures and Algorithms, 1993, 4, 233-358.	1.1	267
169	Probabilistic construction of proportional graphs. Random Structures and Algorithms, 1992, 3, 127-137.	1.1	8
170	Membership of Hankel Operators on the Ball in Unitary Ideals. Journal of the London Mathematical Society, 1991, s2-43, 485-508.	1.0	42
171	Proportional graphs. Random Structures and Algorithms, 1991, 2, 209-224.	1.1	10
172	A functional limit theorem for random graphs with applications to subgraph count statistics. Random Structures and Algorithms, 1990, 1, 15-37.	1.1	33
173	Poisson approximation for large deviations. Random Structures and Algorithms, 1990, 1, 221-229.	1.1	153
174	Small cliques in random graphs. Random Structures and Algorithms, 1990, 1, 403-434.	1.1	12
175	Random coverings of the circle by arcs with restricted endpoints. Journal of Applied Probability, 1988, 25, 215-219.	0.7	3
176	Random trees in a graph and trees in a random graph. Mathematical Proceedings of the Cambridge Philosophical Society, 1986, 100, 319-330.	0.4	6
177	Random coverings in several dimensions. Acta Mathematica, 1986, 156, 83-118.	3.9	67
178	The asymptotic distributions of incomplete U-statistics. Zeitschrift Für Wahrscheinlichkeitstheorie Und Verwandte Gebiete, 1984, 66, 495-505.	0.8	29
179	Notes on Wolff's Note on Interpolation Spaces. Proceedings of the London Mathematical Society, 1984, s3-48, 283-299.	1.3	30
180	Limit Theorems for Certain Branching Random Walks on Compact Groups and Homogeneous Spaces. Annals of Probability, 1983, 11, 909.	1.8	8

#	ARTICLE	IF	CITATIONS
181	The distance profile of rooted and unrooted simply generated trees. Combinatorics Probability and Computing, 0, , 1-43.	1.3	1
182	Successive minimum spanning trees. Random Structures and Algorithms, 0, , .	1.1	0