Richard Arratia

List of Publications by Year
in descending order

28 papers	1,297 citations	687363 13 h-index	526287 27 g-index
29 all docs	29 docs citations	29 times ranked	448 citing authors

#	Article	IF	Citations
1	Simulating the component counts of combinatorial structures. Theoretical Population Biology, 2018, 122, 5-11.	1.1	6
2	The van den Berg–Kesten–Reimer operator and inequality for infinite spaces. Bernoulli, 2018, 24, .	1.3	6
3	Completely Effective Error Bounds for Stirling Numbers of the First and Second Kinds via Poisson Approximation. Annals of Combinatorics, 2017, 21, 1-24.	0.6	6
4	Probabilistic Divide-and-Conquer: A New Exact Simulation Method, With Integer Partitions as an Example. Combinatorics Probability and Computing, 2016, 25, 324-351.	1.3	15
5	Asymptotic distribution for the birthday problem with multiple coincidences, via an embedding of the collision process. Random Structures and Algorithms, 2016, 48, 480-502.	1.1	6
6	Bounded size bias coupling: a Gamma function bound, and universal Dickman-function behavior. Probability Theory and Related Fields, 2015, 162, 411-429.	1.8	12
7	Some People Have All the Luck. Mathematics Magazine, 2015, 88, 196-211.	0.1	5
8	On the Singularity of Random Bernoulli Matrices— Novel Integer Partitions and Lower Bound Expansions. Annals of Combinatorics, 2013, 17, 251-274.	0.6	4
9	A Tale of Three Couplings: Poisson–Dirichlet and GEM Approximations for Random Permutations. Combinatorics Probability and Computing, 2006, 15, 31.	1.3	10
10	A probabilistic approach to analytic arithmetic on algebraic function fields. Mathematical Proceedings of the Cambridge Philosophical Society, 2005, 139, 1-26.	0.4	1
11	A Two-Variable Interlace Polynomial. Combinatorica, 2004, 24, 567-584.	1.2	40
12	The interlace polynomial of a graph. Journal of Combinatorial Theory Series B, 2004, 92, 199-233.	1.0	67
13	Euler circuits and DNA sequencing by hybridization. Discrete Applied Mathematics, 2000, 104, 63-96.	0.9	25
14	The number of components in a logarithmic combinatorial structure. Annals of Applied Probability, 2000, 10, 331.	1.3	6
15	On Poisson–Dirichlet Limits for Random Decomposable Combinatorial Structures. Combinatorics Probability and Computing, 1999, 8, 193-208.	1.3	11
16	Probabilistic Aspects of Sequence Repeats and Sequencing by Hybridization. Studies in Classification, Data Analysis, and Knowledge Organization, 1997, , 631-641.	0.2	0
17	Poisson process approximation for repeats in one sequence and its application to sequencing by hybridization. Lecture Notes in Computer Science, 1996, , 209-219.	1.3	1
18	Poisson Process Approximation for Sequence Repeats, and Sequencing by Hybridization. Journal of Computational Biology, 1996, 3, 425-463.	1.6	59

#	Article	IF	Citations
19	Total Variation Asymptotics for Poisson Process Approximations of Logarithmic Combinatorial Assemblies. Annals of Probability, 1995, 23, 1347.	1.8	27
20	On random polynomials over finite fields. Mathematical Proceedings of the Cambridge Philosophical Society, 1993, 114, 347-368.	0.4	32
21	Review: D. Aldous, Probability Approximations via the Poisson Clumping Heuristic; A. D. Barbour, L. Holst, S. Janson, Poisson Approximation. Annals of Probability, 1993, 21, .	1.8	4
22	Poisson Process Approximations for the Ewens Sampling Formula. Annals of Applied Probability, 1992, 2, 519.	1.3	103
23	Limit Theorems for Combinatorial Structures via Discrete Process Approximations. Random Structures and Algorithms, 1992, 3, 321-345.	1.1	61
24	Poisson Approximation and the Chen-Stein Method. Statistical Science, 1990, 5, 403.	2.8	260
25	Stochastic scrabble: large deviations for sequences with scores. Journal of Applied Probability, 1988, 25, 106-119.	0.7	10
26	An Extreme Value Theory for Sequence Matching. Annals of Statistics, 1986, 14, 971.	2.6	100
27	Critical Phenomena in Sequence Matching. Annals of Probability, 1985, 13, 1236.	1.8	58
28	An ErdÃ¶s-RÃ©nyi law with shifts. Advances in Mathematics, 1985, 55, 13-23.	1.1	61