

David Aldous

List of Publications by Year in descending order

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42
papers

3,169
citations

279798

23
h-index

315739

38
g-index

42
all docs

42
docs citations

42
times ranked

993
citing authors

#	ARTICLE	IF	CITATIONS
1	The Continuum Random Tree. I. Annals of Probability, 1991, 19, 1.	1.8	382
2	The Continuum Random Tree III. Annals of Probability, 1993, 21, 248.	1.8	362
3	Probability Approximations via the Poisson Clumping Heuristic. Applied Mathematical Sciences (Switzerland), 1989, , .	0.8	356
4	Shuffling Cards and Stopping Times. American Mathematical Monthly, 1986, 93, 333-348.	0.3	235
5	Shuffling Cards and Stopping Times. American Mathematical Monthly, 1986, 93, 333.	0.3	227
6	Strong uniform times and finite random walks. Advances in Applied Mathematics, 1987, 8, 69-97.	0.7	192
7	The Objective Method: Probabilistic Combinatorial Optimization and Local Weak Convergence. Encyclopaedia of Mathematical Sciences, 2004, , 1-72.	0.1	164
8	Asymptotic Fringe Distributions for General Families of Random Trees. Annals of Applied Probability, 1991, 1, 228.	1.3	118
9	Asymptotics in the random assignment problem. Probability Theory and Related Fields, 1992, 93, 507-534.	1.8	113
10	The standard additive coalescent. Annals of Probability, 1998, 26, 1703.	1.8	108
11	Probability Distributions on Cladograms. The IMA Volumes in Mathematics and Its Applications, 1996, , 1-18.	0.5	105
12	Asymptotics for Euclidean minimal spanning trees on random points. Probability Theory and Related Fields, 1992, 92, 247-258.	1.8	84
13	Minimization Algorithms and Random Walk on the d -Cube. Annals of Probability, 1983, 11, 403.	1.8	75
14	Tree-based models for random distribution of mass. Journal of Statistical Physics, 1993, 73, 625-641.	1.2	67
15	A diffusion limit for a class of randomly-growing binary trees. Probability Theory and Related Fields, 1988, 79, 509-542.	1.8	65
16	A critical branching process model for biodiversity. Advances in Applied Probability, 2005, 37, 1094-1115.	0.7	57
17	Inhomogeneous continuum random trees and the entrance boundary of the additive coalescent. Probability Theory and Related Fields, 2000, 118, 455-482.	1.8	47
18	An introduction to covering problems for random walks on graphs. Journal of Theoretical Probability, 1989, 2, 87-89.	0.8	45

#	ARTICLE	IF	CITATIONS
19	A random tree model associated with random graphs. <i>Random Structures and Algorithms</i> , 1990, 1, 383-402.	1.1	45
20	Recursive Self-Similarity for Random Trees, Random Triangulations and Brownian Excursion. <i>Annals of Probability</i> , 1994, 22, 527.	1.8	38
21	A critical branching process model for biodiversity. <i>Advances in Applied Probability</i> , 2005, 37, 1094-1115.	0.7	36
22	Hitting times for random walks on vertex-transitive graphs. <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 1989, 106, 179-191.	0.4	33
23	The Entrance Boundary of the Multiplicative Coalescent. <i>Electronic Journal of Probability</i> , 1998, 3, .	1.0	29
24	On the Zero-one Law for Exchangeable Events. <i>Annals of Probability</i> , 1979, 7, 704.	1.8	22
25	Elo Ratings and the Sports Model: A Neglected Topic in Applied Probability?. <i>Statistical Science</i> , 2017, 32, .	2.8	21
26	A family of random trees with random edge lengths. <i>Random Structures and Algorithms</i> , 1999, 15, 176-195.	1.1	19
27	The exploration process of inhomogeneous continuum random trees, and an extension of Jeulin's local time identity. <i>Probability Theory and Related Fields</i> , 2004, 129, 182-218.	1.8	19
28	True scale-invariant random spatial networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 8782-8785.	7.1	17
29	Emergence of the giant component in special Marcus-Lushnikov processes. <i>Random Structures and Algorithms</i> , 1998, 12, 179-196.	1.1	15
30	Stochastic models for phylogenetic trees on higher-order taxa. <i>Journal of Mathematical Biology</i> , 2008, 56, 525-557.	1.9	14
31	Weak convergence of random p -mappings and the exploration process of inhomogeneous continuum random trees. <i>Probability Theory and Related Fields</i> , 2005, 133, 1-17.	1.8	13
32	Maximum Size of a Dynamic Data Structure: Hashing with Lazy Deletion Revisited. <i>SIAM Journal on Computing</i> , 1992, 21, 713-732.	1.0	10
33	Brownian Bridge Asymptotics for Random p -Mappings. <i>Electronic Journal of Probability</i> , 2004, 9, 37.	1.0	9
34	Invariance Principles for Non-Uniform Random Mappings and Trees. , 2002, , 113-147.		9
35	Scale-invariant random spatial networks. <i>Electronic Journal of Probability</i> , 2014, 19, .	1.0	8
36	The incipient giant component in bond percolation on general finite weighted graphs. <i>Electronic Communications in Probability</i> , 2016, 21, .	0.4	5

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37	Random partitions of the plane via Poissonian coloring and a self-similar process of coalescing planar partitions. <i>Annals of Probability</i> , 2018, 46, .	1.8	3
38	The stretch-length tradeoff in geometric networks: average case and worst case study. <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 2015, 159, 125-151.	0.4	1
39	Introducing Nash Equilibria via an Online Casual Game That People Actually Play. <i>American Mathematical Monthly</i> , 2017, 124, 506-517.	0.3	1
40	A Framework for Imperfectly Observed Networks. <i>Journal of Statistical Physics</i> , 2018, 173, 1303-1320.	1.2	0
41	Route lengths in invariant spatial tree networks. <i>Electronic Communications in Probability</i> , 2021, 26, .	0.4	0
42	A Conversation with Jim Pitman. <i>Statistical Science</i> , 2018, 33, .	2.8	0