

Yuval Peres

List of Publications by Year in descending order

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34
papers

1,996
citations

361413

20
h-index

414414

32
g-index

34
all docs

34
docs citations

34
times ranked

715
citing authors

#	ARTICLE	IF	CITATIONS
1	Rigorous location of phase transitions in hard optimization problems. <i>Nature</i> , 2005, 435, 759-764.	27.8	227
2	Tug-of-war with noise: A game-theoretic view of the p-Laplacian. <i>Duke Mathematical Journal</i> , 2008, 145, .	1.5	156
3	Sixty Years of Bernoulli Convolutions. , 2000, , 39-65.		153
4	The threshold for random k -SAT is $2^{\log 2 - O(k)}$. <i>Journal of the American Mathematical Society</i> , 2004, 17, 947-973.	3.9	141
5	Absolute Continuity of Bernoulli Convolutions, A Simple Proof. <i>Mathematical Research Letters</i> , 1996, 3, 231-239.	0.5	130
6	Smoothness of projections, Bernoulli convolutions, and the dimension of exceptions. <i>Duke Mathematical Journal</i> , 2000, 102, .	1.5	129
7	Ergodic theory on Galton-Watson trees: speed of random walk and dimension of harmonic measure. <i>Ergodic Theory and Dynamical Systems</i> , 1995, 15, 593-619.	0.6	114
8	Biased random walks on Galton-Watson trees. <i>Probability Theory and Related Fields</i> , 1996, 106, 249-264.	1.8	82
9	Evolving sets, mixing and heat kernel bounds. <i>Probability Theory and Related Fields</i> , 2005, 133, 245-266.	1.8	80
10	The speed of biased random walk on percolation clusters. <i>Probability Theory and Related Fields</i> , 2003, 126, 221-242.	1.8	73
11	Bootstrap Percolation on Infinite Trees and Non-Amenable Groups. <i>Combinatorics Probability and Computing</i> , 2006, 15, 715.	1.3	69
12	Markov chains in smooth Banach spaces and Gromov-hyperbolic metric spaces. <i>Duke Mathematical Journal</i> , 2006, 134, 165.	1.5	69
13	Resonance between Cantor sets. <i>Ergodic Theory and Dynamical Systems</i> , 2009, 29, 201-221.	0.6	65
14	Invariant measures of full dimension for some expanding maps. <i>Ergodic Theory and Dynamical Systems</i> , 1997, 17, 147-167.	0.6	64
15	Intersection-equivalence of Brownian paths and certain branching processes. <i>Communications in Mathematical Physics</i> , 1996, 177, 417-434.	2.2	62
16	Tail estimates for one-dimensional random walk in random environment. <i>Communications in Mathematical Physics</i> , 1996, 181, 667-683.	2.2	60
17	Scaling limits for internal aggregation models with multiple sources. <i>Journal D'Analyse Mathématique</i> , 2010, 111, 151-219.	0.8	54
18	Monotonicity of uniqueness for percolation on Cayley graphs: all infinite clusters are born simultaneously. <i>Probability Theory and Related Fields</i> , 1999, 113, 273-285.	1.8	52

#	ARTICLE	IF	CITATIONS
19	A central limit theorem for biased random walks on Galton-Watson trees. Probability Theory and Related Fields, 2007, 140, 595-629.	1.8	33
20	Self-similar sets of zero Hausdorff measure and positive packing measure. Israel Journal of Mathematics, 2000, 117, 353-379.	0.8	31
21	Unsolved Problems Concerning Random Walks on Trees. The IMA Volumes in Mathematics and Its Applications, 1997, , 223-237.	0.5	29
22	Anchored expansion, percolation and speed. Annals of Probability, 2004, 32, 2978.	1.8	20
23	The rotor-router shape is spherical. Mathematical Intelligencer, 2005, 27, 9-11.	0.2	19
24	ABSOLUTE CONTINUITY FOR RANDOM ITERATED FUNCTION SYSTEMS WITH OVERLAPS. Journal of the London Mathematical Society, 2006, 74, 739-756.	1.0	17
25	Approximation by Polynomials with Coefficients $\hat{A}\pm 1$. Journal of Number Theory, 2000, 84, 185-198.	0.4	15
26	Nonamenable products are not treeable. Israel Journal of Mathematics, 2000, 118, 147-155.	0.8	11
27	Bi-invariant sets and measures have integer Hausdorff dimension. Ergodic Theory and Dynamical Systems, 1999, 19, 523-534.	0.6	8
28	Points of increase for random walks. Israel Journal of Mathematics, 1996, 95, 341-347.	0.8	6
29	Fractals with Positive Length and Zero Buffon Needle Probability. American Mathematical Monthly, 2003, 110, 314-325.	0.3	6
30	Identifying several biased coins encountered by a hidden random walk. Random Structures and Algorithms, 2004, 25, 91-114.	1.1	6
31	Fractional products of sets. Random Structures and Algorithms, 1995, 6, 113-119.	1.1	5
32	Random walks in varying dimensions. Journal of Theoretical Probability, 1996, 9, 231-244.	0.8	5
33	Bernoulli convolutions and an intermediate value theorem for entropies of K -partitions. Journal D'Analyse Mathématique, 2002, 87, 337-367.	0.8	5
34	Optimal Control for Diffusions on Graphs. SIAM Journal on Discrete Mathematics, 2018, 32, 2941-2972.	0.8	0