Amir Dembo

List of Publications by Year
in descending order

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48	3,576	331670	330143
papers	citations	21 h-index	37 g-index

48	48	48	1517
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Averaging Principle and Shape Theorem for a Growth Model with Memory. Communications on Pure and Applied Mathematics, 2021, 74, 1453-1492.	3.1	0
2	Diffusions interacting through a random matrix: universality via stochastic Taylor expansion. Probability Theory and Related Fields, 2021, 180, 1057-1097.	1.8	2
3	Upper tail for homomorphism counts in constrained sparse random graphs. Random Structures and Algorithms, 2021, 59, 315-338.	1.1	2
4	Limit law for the cover time of a random walk on a binary tree. Annales De L'institut Henri Poincare (B) Probability and Statistics, 2021, 57, .	1.1	1
5	Universality for Langevin-like spin glass dynamics. Annals of Applied Probability, 2021, 31, .	1.3	2
6	Exponential Concentration for Zeroes of Stationary Gaussian Processes. International Mathematics Research Notices, 2020, 2020, 9769-9796.	1.0	8
7	Dynamics for Spherical Spin Glasses: Disorder Dependent Initial Conditions. Journal of Statistical Physics, 2020, 181, 465-514.	1.2	3
8	Criticality of a Randomly-Driven Front. Archive for Rational Mechanics and Analysis, 2019, 233, 643-699.	2.4	7
9	Cut-off for lamplighter chains on tori: dimension interpolation and Phase transition. Probability Theory and Related Fields, 2019, 173, 605-650.	1.8	2
10	Random walks among time increasing conductances: heat kernel estimates. Probability Theory and Related Fields, 2019, 175, 397-445.	1.8	2
11	Persistence of Gaussian processes: non-summable correlations. Probability Theory and Related Fields, 2017, 169, 1007-1039.	1.8	14
12	Large Deviations for Diffusions Interacting Through Their Ranks. Communications on Pure and Applied Mathematics, 2016, 69, 1259-1313.	3.1	19
13	Weakly Asymmetric Non-Simple Exclusion Process and the Kardarâ€“Parisiâ€“Zhang Equation. Communications in Mathematical Physics, 2016, 341, 219-261.	2.2	40
14	No zero-crossings for random polynomials and the heat equation. Annals of Probability, 2015, 43, .	1.8	22
15	The Replica Symmetric Solution for Potts Models on d-Regular Graphs. Communications in Mathematical Physics, 2014, 327, 551-575.	2.2	36
16	Factor models on locally tree-like graphs. Annals of Probability, 2013, 41, .	1.8	48
17	Ising models on locally tree-like graphs. Annals of Applied Probability, 2010, 20, .	1.3	109
18	Gibbs measures and phase transitions on sparse random graphs. Brazilian Journal of Probability and Statistics, 2010, 24, .	0.4	72

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19	Spectral Measure of Heavy Tailed Band and Covariance Random Matrices. Communications in Mathematical Physics, 2009, 289, 1023-1055.	2.2	33
20	A Lower Bound on the Disconnection Time of a Discrete Cylinder. , 2008, , 211-227.		7
21	Aging for interacting diffusion processes. Annales De L'institut Henri Poincare (B) Probability and Statistics, 2007, 43, 461-480.	1.1	10
22	Limiting Dynamics for Spherical Models of Spin Glasses at High Temperature. Journal of Statistical Physics, 2007, 126, 781-815.	1.2	7
23	Limiting Dynamics for Spherical Models of Spin Glasses at High Temperature. Journal of Statistical Physics, 2007, 128, 847-881.	1.2	5
24	How large a disc is covered by a random walk in n steps?. Annals of Probability, 2007, 35, .	1.8	8
25	Spectral measure of large random Hankel, Markov and Toeplitz matrices. Annals of Probability, 2006, 34, 1.	1.8	140
26	On the disconnection of a discrete cylinder by a random walk. Probability Theory and Related Fields, 2006, 136, 321-340.	1.8	32
27	Cugliandolo-Kurchan equations for dynamics of Spin-Glasses. Probability Theory and Related Fields, 2006, 136, 619-660.	1.8	30
28	Valleys and the Maximum Local Time for Random Walk in Random Environment. Probability Theory and Related Fields, 2006, 137, 443-473.	1.8	16
29	Late points for random walks in two dimensions. Annals of Probability, 2006, 34, .	1.8	42
30	Large deviations for random walk in random environment with holding times. Annals of Probability, 2004, 32, 996.	1.8	13
31	Large portfolio losses. Finance and Stochastics, 2004, 8, 3-16.	1.1	58
32	Cover times for Brownian motion and random walks in two dimensions. Annals of Mathematics, 2004, 160, 433-464.	4.2	119
33	Random polynomials having few or no real zeros. Journal of the American Mathematical Society, 2002, 15, 857-892.	3.9	42
34	Large deviations for random walks on Galton-Watson trees: averaging and uncertainty. Probability Theory and Related Fields, 2002, 122, 241-288.	1.8	29
35	Remarks on the Maximum Correlation Coefficient. Bernoulli, 2001, 7, 343.	1.3	31
36	Ordered overlaps in disordered mean-field models. Probability Theory and Related Fields, 2001, 121, 1-29.	1.8	2

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37	Thick points for planar Brownian motion and the ErdÅ‘s-Taylor conjecture on random walk. Acta Mathematica, 2001, 186, 239-270.	3.9	73
38	Large Deviations Techniques and Applications. , 1998, , .		2,148
39	Uniform large and moderate deviations for functional empirical processes. Stochastic Processes and Their Applications, 1997, 67, 195-211.	0.9	21
40	Information inequalities and concentration of measure. Annals of Probability, 1997, 25, .	1.8	69
41	Transportation Approach to Some Concentration Inequalities in Product Spaces. Electronic Communications in Probability, 1996, 1, 83.	0.4	41
42	Tail estimates for one-dimensional random walk in random environment. Communications in Mathematical Physics, 1996, 181, 667-683.	2.2	60
43	Large deviations for subsampling from individual sequences. Statistics and Probability Letters, 1996, 27, 201-205.	0.7	5
44	Large deviations: From empirical mean and measure to partial sums process. Stochastic Processes and Their Applications, 1995, 57, 191-224.	0.9	62
45	On large deviations of empirical measures for stationary Gaussian processes. Stochastic Processes and Their Applications, 1995, 58, 23-34.	0.9	15
46	Strong Limit Theorems of Empirical Functionals for Large Exceedances of Partial Sums of I.I.D. Variables. Annals of Probability, 1991, 19, 1737.	1.8	57
47	Onsager-Machlup functionals and maximum a posteriori estimation for a class of non-gaussian random fields. Journal of Multivariate Analysis, 1991, 36, 243-262.	1.0	10
48	Maximum a posteriori estimation of elliptic Gaussian fields observed via a noisy nonlinear channel. Journal of Multivariate Analysis, 1990, 35, 151-167.	1.0	2