Ronen Eldan

List of Publications by Year
in descending order

31	466	933447 10	713466 21
papers	citations	h-index	g-index

33	33	33	148
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Thin Shell Implies Spectral Gap Up to Polylog via a Stochastic Localization Scheme. Geometric and Functional Analysis, 2013, 23, 532-569.	1.8	73
2	Testing for highâ€dimensional geometry in random graphs. Random Structures and Algorithms, 2016, 49, 503-532.	1.1	50
3	A two-sided estimate for the Gaussian noise stability deficit. Inventiones Mathematicae, 2015, 201, 561-624.	2.5	40
4	Gaussian-width gradient complexity, reverse log-Sobolev inequalities and nonlinear large deviations. Geometric and Functional Analysis, 2018, 28, 1548-1596.	1.8	40
5	Pointwise estimates for marginals of convex bodies. Journal of Functional Analysis, 2008, 254, 2275-2293.	1.4	31
6	Sampling from a Log-Concave Distribution with Projected Langevin Monte Carlo. Discrete and Computational Geometry, 2018, 59, 757-783.	0.6	25
7	Efficient algorithms for discrepancy minimization in convex sets. Random Structures and Algorithms, 2018, 53, 289-307.	1.1	20
8	Decomposition of mean-field Gibbs distributions into product measures. Electronic Journal of Probability, 2018, 23, .	1.0	15
9	On multiple peaks and moderate deviations for the supremum of a Gaussian field. Annals of Probability, 2015, 43, .	1.8	11
10	The CLT in high dimensions: Quantitative bounds via martingale embedding. Annals of Probability, 2020, 48, .	1.8	11
11	Braess's paradox for the spectral gap in random graphs and delocalization of eigenvectors. Random Structures and Algorithms, 2017, 50, 584-611.	1.1	10
12	Exponential random graphs behave like mixtures of stochastic block models. Annals of Applied Probability, 2018, 28, .	1.3	9
13	Bounding the Norm of a Log-Concave Vector Via Thin-Shell Estimates. Lecture Notes in Mathematics, 2014, , 107-122.	0.2	9
14	Stability of the logarithmic Sobolev inequality via the FÃ¶llmer process. Annales De L'institut Henri Poincare (B) Probability and Statistics, 2020, 56, .	1.1	9
15	Transport-Entropy Inequalities and Curvature in Discrete-Space Markov Chains. , 2017, , 391-406.		8
16	A spectral condition for spectral gap: fast mixing in high-temperature Ising models. Probability Theory and Related Fields, 2022, 182, 1035-1051.	1.8	8
17	Regularization under diffusion and anticoncentration of the information content. Duke Mathematical Journal, 2018, 167, .	1.5	7
18	Taming correlations through entropy-efficient measure decompositions with applications to mean-field approximation. Probability Theory and Related Fields, 2020, 176, 737-755.	1.8	7

#	Article	IF	Citations
19	Convex hulls in the hyperbolic space. Geometriae Dedicata, 2012, 160, 365-371.	0.3	6
20	Skorokhod embeddings via stochastic flows on the space of Gaussian measures. Annales De L'institut Henri Poincare (B) Probability and Statistics, 2016, 52, .	1.1	6
21	Information and Dimensionality of Anisotropic Random Geometric Graphs. Lecture Notes in Mathematics, 2020, , 273-324.	0.2	5
22	Log concavity and concentration of Lipschitz functions on the Boolean hypercube. Journal of Functional Analysis, 2022, 282, 109392.	1.4	5
23	An efficiency upper bound for inverse covariance estimation. Israel Journal of Mathematics, 2015, 207, 1-9.	0.8	4
24	A Simple Approach to Chaos For p-Spin Models. Journal of Statistical Physics, 2020, 181, 1266-1276.	1.2	4
25	Stability of the Shannonâ€“Stam inequality via the FÃ¶llmer process. Probability Theory and Related Fields, 2020, 177, 891-922.	1.8	3
26	A Polynomial Number of Random Points DoesÂNotÂDetermine the Volume of a Convex Body. Discrete and Computational Geometry, 2011, 46, 29-47.	0.6	2
27	Talagrand's Convolution Conjecture on Gaussian Space. , 2015, , .		2
28	Community detection and percolation of information in a geometric setting. Combinatorics Probability and Computing, 2022, 31, 1048-1069.	1.3	2
29	Concentration on the Boolean hypercube via pathwise stochastic analysis. Inventiones Mathematicae, 2022, 230, 935-994.	2.5	2
30	Depth Separations in Neural Networks: What is Actually Being Separated?. Constructive Approximation, 0, , 1.	3.0	1
31	How many matrices can be spectrally balanced simultaneously?. Israel Journal of Mathematics, 2018, 224, 385-406.	0.8	0