

# Prasad Tetali

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

1,671  
citations

279798

23  
h-index

289244

40  
g-index

52  
all docs

52  
docs citations

52  
times ranked

789  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the number of independent sets in uniform, regular, linear hypergraphs. <i>European Journal of Combinatorics</i> , 2022, 99, 103401.	0.8	1
2	On the bipartiteness constant and expansion of Cayley graphs. <i>European Journal of Combinatorics</i> , 2022, 102, 103481.	0.8	1
3	Markov Chain-Based Sampling for Exploring RNA Secondary Structure under the Nearest Neighbor Thermodynamic Model and Extended Applications. <i>Mathematical and Computational Applications</i> , 2020, 25, 67.	1.3	1
4	Efficient sampling and counting algorithms for the Potts model on $\hat{\mu}$ at all temperatures. , 2020, , .		15
5	Phase Coexistence for the Hard-Core Model on $\hat{2}$ . <i>Combinatorics Probability and Computing</i> , 2019, 28, 1-22.	1.3	4
6	Volume Growth, Curvature, and Buser-Type Inequalities in Graphs. <i>International Mathematics Research Notices</i> , 2019, , .	1.0	0
7	Algebraic Connectivity Under Site Percolation in Finite Weighted Graphs. <i>IEEE Transactions on Network Science and Engineering</i> , 2018, 5, 86-91.	6.4	0
8	Characterization of a class of weak transport-entropy inequalities on the line. <i>Annales De L'institut Henri Poincare (B) Probability and Statistics</i> , 2018, 54, .	1.1	22
9	The Widom-Rowlinson model, the hard-core model and the extremality of the complete graph. <i>European Journal of Combinatorics</i> , 2017, 62, 70-76.	0.8	3
10	On the Widom-Rowlinson Occupancy Fraction in Regular Graphs. <i>Combinatorics Probability and Computing</i> , 2017, 26, 183-194.	1.3	7
11	Kantorovich duality for general transport costs and applications. <i>Journal of Functional Analysis</i> , 2017, 273, 3327-3405.	1.4	59
12	Discrete Curvature and Abelian Groups. <i>Canadian Journal of Mathematics</i> , 2016, 68, 655-674.	0.6	32
13	Convergence to global equilibrium for Fokker-Planck equations on a graph and Talagrand-type inequalities. <i>Journal of Differential Equations</i> , 2016, 261, 2552-2583.	2.2	5
14	Sampling and Counting 3-Orientations of Planar Triangulations. <i>SIAM Journal on Discrete Mathematics</i> , 2016, 30, 801-831.	0.8	2
15	Approximate tensorization of entropy at high temperature. <i>Annales De La Faculté Des Sciences De Toulouse</i> , 2015, 24, 691-716.	0.3	15
16	Discrete Ricci Curvature bounds for Bernoulli-Laplace and Random Transposition models. <i>Annales De La Faculté Des Sciences De Toulouse</i> , 2015, 24, 781-800.	0.3	18
17	Displacement convexity of entropy and related inequalities on graphs. <i>Probability Theory and Related Fields</i> , 2014, 160, 47-94.	1.8	30
18	Distributed Random Walks. <i>Journal of the ACM</i> , 2013, 60, 1-31.	2.2	29

#	ARTICLE	IF	CITATIONS
19	Improved mixing condition on the grid for counting and sampling independent sets. Probability Theory and Related Fields, 2013, 156, 75-99.	1.8	25
20	Entropy and set cardinality inequalities for partition-determined functions. Random Structures and Algorithms, 2012, 40, 399-424.	1.1	30
21	Tight bounds for mixing of the Swendsen-Wang algorithm at the Potts transition point. Probability Theory and Related Fields, 2012, 152, 509-557.	1.8	32
22	Information Inequalities for Joint Distributions, With Interpretations and Applications. IEEE Transactions on Information Theory, 2010, 56, 2699-2713.	2.4	85
23	Information-theoretic inequalities in additive combinatorics. , 2010, , .		10
24	On randomizing two derandomized greedy algorithms. Electronic Journal of Combinatorics, 2010, 1, 265-283.	0.1	3
25	Matchings and independent sets of a fixed size in regular graphs. Journal of Combinatorial Theory - Series A, 2009, 116, 1219-1227.	0.8	16
26	Sandwich bounds for joint entropy. , 2007, , .		6
27	Near Optimal Bounds for Collision in Pollard Rho for Discrete Log. , 2007, , .		7
28	Near Optimal Bounds for Collision in Pollard Rho for Discrete Log. , 2007, , .		0
29	Slow mixing of Glauber dynamics for the hard-core model on regular bipartite graphs. Random Structures and Algorithms, 2006, 28, 427-443.	1.1	20
30	On smoothed analysis in dense graphs and formulas. Random Structures and Algorithms, 2006, 29, 180-193.	1.1	33
31	Modified Logarithmic Sobolev Inequalities in Discrete Settings. Journal of Theoretical Probability, 2006, 19, 289-336.	0.8	107
32	Elementary bounds on Poincaré and log-Sobolev constants for decomposable Markov chains. Annals of Applied Probability, 2004, 14, 1741.	1.3	58
33	Approximating Min Sum Set Cover. Algorithmica, 2004, 40, 219-234.	1.3	114
34	On weighted graph homomorphisms. DIMACS Series in Discrete Mathematics and Theoretical Computer Science, 2004, , 97-104.	0.0	33
35	The Number of Linear Extensions of the Boolean Lattice. Order, 2003, 20, 333-345.	0.5	20
36	Modified log-sobolev inequalities, mixing and hypercontractivity. , 2003, , .		12

#	ARTICLE	IF	CITATIONS
37	Ramsey Games Against a One-Armed Bandit. <i>Combinatorics Probability and Computing</i> , 2003, 12, 515-545.	1.3	34
38	Two-coloring random hypergraphs. <i>Random Structures and Algorithms</i> , 2002, 20, 249-259.	1.1	23
39	Two-coloring random hypergraphs. <i>Random Structures and Algorithms</i> , 2002, 20, 249-259.	1.1	9
40	On the chromatic number of set systems. <i>Random Structures and Algorithms</i> , 2001, 19, 87-98.	1.1	28
41	Analyzing Glauber dynamics by comparison of Markov chains. <i>Journal of Mathematical Physics</i> , 2000, 41, 1598-1615.	1.1	107
42	Simple Markov-chain algorithms for generating bipartite graphs and tournaments. <i>Random Structures and Algorithms</i> , 1999, 14, 293-308.	1.1	96
43	Design of On-Line Algorithms Using Hitting Times. <i>SIAM Journal on Computing</i> , 1999, 28, 1232-1246.	1.0	10
44	Simple Markov-chain algorithms for generating bipartite graphs and tournaments. , 1999, 14, 293.		6
45	Isoperimetric Inequalities for Cartesian Products of Graphs. <i>Combinatorics Probability and Computing</i> , 1998, 7, 141-148.	1.3	25
46	A note on expected hitting times for birth and death chains. <i>Statistics and Probability Letters</i> , 1996, 30, 119-125.	0.7	29
47	Sidon Sets with Small Gaps. <i>The IMA Volumes in Mathematics and Its Applications</i> , 1995, , 103-109.	0.5	3
48	An Extension of Foster's Network Theorem. <i>Combinatorics Probability and Computing</i> , 1994, 3, 421-427.	1.3	26
49	Collisions Among Random Walks on a Graph. <i>SIAM Journal on Discrete Mathematics</i> , 1993, 6, 363-374.	0.8	123
50	Random walks and the effective resistance of networks. <i>Journal of Theoretical Probability</i> , 1991, 4, 101-109.	0.8	245
51	Representations of integers as the sum of $k$ terms. <i>Random Structures and Algorithms</i> , 1990, 1, 245-261.	1.1	45