Christopher Hoffman

List of Publications by Year
in descending order

31 papers	441 citations	840776 11 h-index	752698 20 g-index
31 all docs	31 docs citations	31 times ranked	142 citing authors

#	Article	IF	Citations
1	The fundamental group of random 2-complexes. Journal of the American Mathematical Society, 2011, 24, 1-28.	3.9	55
2	Coexistence for Richardson type competing spatial growth models. Annals of Applied Probability, 2005, 15, 739.	1.3	50
3	A stable marriage of Poisson and Lebesgue. Annals of Probability, 2006, 34, 1241.	1.8	50
4	Geodesics in first passage percolation. Annals of Applied Probability, 2008, 18, .	1.3	48
5	Spectral Gaps of Random Graphs and Applications. International Mathematics Research Notices, 2021, 2021, 8353-8404.	1.0	22
6	Patternâ€avoiding permutations and Brownian excursion part I: Shapes and fluctuations. Random Structures and Algorithms, 2017, 50, 394-419.	1.1	19
7	${i T},{i T}^{f -1}$ is not standard. Ergodic Theory and Dynamical Systems, 1998, 18, 875-878.	0.6	18
8	Entropy and Dyadic Equivalence of Random Walks on a Random Scenery. Advances in Mathematics, 2000, 156, 157-179.	1.1	18
9	The Threshold for Integer Homology in Random d-Complexes. Discrete and Computational Geometry, 2017, 57, 810-823.	0.6	17
10	Tail Bounds for the Stable Marriage of Poisson and Lebesgue. Canadian Journal of Mathematics, 2009, 61, 1279-1299.	0.6	16
11	Pattern-avoiding permutations and Brownian excursion, part II: fixed points. Probability Theory and Related Fields, 2017, 169, 377-424.	1.8	14
12	A markov random field which isK but not Bernoulli. Israel Journal of Mathematics, 1999, 112, 249-269.	0.8	11
13	A K counterexample machine. Transactions of the American Mathematical Society, 1999, 351, 4263-4280.	0.9	10
14	A dyadic endomorphism which is Bernoulli but not standard. Israel Journal of Mathematics, 2002, 130, 365-379.	0.8	10
15	Non-fixation for Conservative Stochastic Dynamics on the Line. Communications in Mathematical Physics, 2018, 358, 1151-1185.	2.2	10
16	Nonexistence of Bigeodesics in Planar Exponential Last Passage Percolation. Communications in Mathematical Physics, 2022, 389, 1-30.	2.2	10
17	Energy of Flows on Percolation Clusters. Potential Analysis, 2001, 14, 375-385.	0.9	8
18	The scenery factor of the ${[T,T^{-1}]}$ transformation is not loosely Bernoulli. Proceedings of the American Mathematical Society, 2003, 131, 3731-3735.	0.8	8

#	Article	IF	Citations
19	Phase Transition in Dependent Percolation. Communications in Mathematical Physics, 2005, 254, 1-22.	2.2	8
20	COVER TIME FOR THE FROG MODEL ON TREES. Forum of Mathematics, Sigma, 2019, 7, .	0.7	6
21	The behavior of Bernoulli shifts relative to their factors. Ergodic Theory and Dynamical Systems, 1999, 19, 1255-1280.	0.6	5
22	Non-uniqueness for specifications in. Ergodic Theory and Dynamical Systems, 2018, 38, 1342-1352.	0.6	5
23	Fixed points of 321-avoiding permutations. Proceedings of the American Mathematical Society, 2018, 147, 861-872.	0.8	5
24	A loosely Bernoulli counterexample machine. Israel Journal of Mathematics, 1999, 112, 237-247.	0.8	4
25	Energy of flows onZ2 percolation clusters. Random Structures and Algorithms, 2000, 16, 143-155.	1.1	4
26	An endomorphism whose square is Bernoulli. Ergodic Theory and Dynamical Systems, 2004, 24, 477-494.	0.6	4
27	Geodesic Rays and Exponents in Ergodic Planar First Passage Percolation. Progress in Probability, 2021, , 163-186.	0.3	2
28	A family of nonisomorphic Markov random fields. Israel Journal of Mathematics, 2004, 142, 345-366.	0.8	1
29	Exponential Clogging Time for a One Dimensional DLA. Journal of Statistical Physics, 2008, 131, 1185-1188.	1.2	1
30	Subshifts of finite type which have completely positive entropy. Discrete and Continuous Dynamical Systems, 2011, 29, 1497-1516.	0.9	1
31	Isomorphism TheoryIsomorphism theory in Ergodic TheoryErgodic theory. , 2012, , 783-795.		1