Jinho Baik

List of Publications by Year
in descending order

38 papers	3,002 citations	331670 21 h-index	330143 37 g-index
39 all docs	39 docs citations	39 times ranked	977 citing authors

#	ARTICLE	IF	CITATIONS
1	Limiting one-point distribution of periodic TASEP. Annales De L'institut Henri Poincare (B) Probability and Statistics, 2022, 58, .	1.1	4
2	Periodic TASEP with general initial conditions. Probability Theory and Related Fields, 2021, 179, 1047-1144.	1.8	8
3	Spherical Spin Glass Model with External Field. Journal of Statistical Physics, 2021, 183, 1.	1.2	10
4	Free energy of bipartite spherical Sherrington–Kirkpatrick model. Annales De L'institut Henri Poincare (B) Probability and Statistics, 2020, 56, .	1.1	19
5	Multipoint distribution of periodic TASEP. Journal of the American Mathematical Society, 2019, 32, 609-674.	3.9	29
6	Fluctuations of TASEP on a Ring in Relaxation Time Scale. Communications on Pure and Applied Mathematics, 2018, 71, 747-813.	3.1	26
7	Ferromagnetic to Paramagnetic Transition in Spherical Spin Glass. Journal of Statistical Physics, 2018, 173, 1484-1522.	1.2	15
8	Pfaffian Schur processes and last passage percolation in a half-quadrant. Annals of Probability, 2018, 46, .	1.8	25
9	Facilitated Exclusion Process. Abel Symposia, 2018, , 1-35.	0.3	7
10	Fluctuations of the Free Energy of the Spherical Sherrington–Kirkpatrick Model with Ferromagnetic Interaction. Annales Henri Poincare, 2017, 18, 1867-1917.	1.7	15
11	TASEP on a Ring in Sub-relaxation Time Scale. Journal of Statistical Physics, 2016, 165, 1051-1085.	1.2	16
12	Fluctuations of the Free Energy of the Spherical Sherrington–Kirkpatrick Model. Journal of Statistical Physics, 2016, 165, 185-224.	1.2	32
13	Discrete Toeplitz/Hankel Determinants and the Width of Nonintersecting Processes. International Mathematics Research Notices, 2014, 2014, 5737-5768.	1.0	9
14	Batch latency analysis and phase transitions for a tandem of queues with exponentially distributed service times. Queueing Systems, 2014, 78, 255-285.	0.9	2
15	Convergence of the Two-Point Function of the Stationary TASEP. , 2014, , 91-110.		22
16	On the Largest Eigenvalue of a Hermitian Random Matrix Model with Spiked External Source II: Higher Rank Cases. International Mathematics Research Notices, 2013, 2013, 3304-3370.	1.0	9
17	On the joint distribution of the maximum and its position of the Airy2 process minus a parabola. Journal of Mathematical Physics, 2012, 53, 083303.	1.1	29
18	Limit process of stationary TASEP near the characteristic line. Communications on Pure and Applied Mathematics, 2010, 63, 1017-1070.	3.1	42

#	Article	IF	Citations
19	Total integrals of global solutions to Painlevé II. Nonlinearity, 2009, 22, 1021-1061.	1.4	15
20	On the Christoffel-Darboux Kernel for Random Hermitian Matrices with External Source. Computational Methods and Function Theory, 2009, 9, 455-471.	1.5	5
21	Asymptotics of Tracy-Widom Distributions and the Total Integral of a Painlevé II Function. Communications in Mathematical Physics, 2008, 280, 463-497.	2.2	110
22	Random matrix central limit theorems for nonintersecting random walks. Annals of Probability, 2007, 35, 1807.	1.8	22
23	Painlevé formulas of the limiting distributions for nonnull complex sample covariance matrices. Duke Mathematical Journal, 2006, 133, 205.	1.5	48
24	Eigenvalues of large sample covariance matrices of spiked population models. Journal of Multivariate Analysis, 2006, 97, 1382-1408.	1.0	443
25	A model for the bus system in Cuernavaca (Mexico). Journal of Physics A, 2006, 39, 8965-8975.	1.6	44
26	Phase transition of the largest eigenvalue for nonnull complex sample covariance matrices. Annals of Probability, 2005, 33, 1643.	1.8	554
27	A GUE central limit theorem and universality of directed first andlast passage site percolation. International Mathematics Research Notices, 2005, 2005, 325.	1.0	25
28	Products and ratios of characteristic polynomials of random Hermitian matrices. Journal of Mathematical Physics, 2003, 44, 3657-3670.	1.1	75
29	Title is missing!. International Mathematics Research Notices, 2002, 2002, 1739.	1.0	13
30	The asymptotics of monotone subsequences of involutions. Duke Mathematical Journal, 2001, 109, 205.	1.5	91
31	A Fredholm Determinant Identity and the Convergence of Moments for Random Young Tableaux. Communications in Mathematical Physics, 2001, 223, 627-672.	2.2	21
32	Algebraic aspects of increasing subsequences. Duke Mathematical Journal, 2001, 109, .	1.5	135
33	Optimal tail estimates for directed last passage site percolation with geometric random variables. Advances in Theoretical and Mathematical Physics, 2001, 5, 1207-1250.	0.6	59
34	Random vicious walks and random matrices. Communications on Pure and Applied Mathematics, 2000, 53, 1385-1410.	3.1	49
35	Limiting Distributions for a Polynuclear Growth Model with External Sources. Journal of Statistical Physics, 2000, 100, 523-541.	1.2	217
36	Random vicious walks and random matrices. Communications on Pure and Applied Mathematics, 2000, 53, 1385-1410.	3.1	3

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37	On the distribution of the length of the longest increasing subsequence of random permutations. Journal of the American Mathematical Society, 1999, 12, 1119-1178.	3.9	752
38	Edge Distribution of Thinned Real Eigenvalues in the Real Ginibre Ensemble. Annales Henri Poincare, 0, , 1.	1.7	0