

Jinho Baik

List of Publications by Year in descending order

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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	On the distribution of the length of the longest increasing subsequence of random permutations. <i>Journal of the American Mathematical Society</i> , 1999, 12, 1119-1178.	3.9	752
2	Phase transition of the largest eigenvalue for nonnull complex sample covariance matrices. <i>Annals of Probability</i> , 2005, 33, 1643.	1.8	554
3	Eigenvalues of large sample covariance matrices of spiked population models. <i>Journal of Multivariate Analysis</i> , 2006, 97, 1382-1408.	1.0	443
4	Limiting Distributions for a Polynuclear Growth Model with External Sources. <i>Journal of Statistical Physics</i> , 2000, 100, 523-541.	1.2	217
5	Algebraic aspects of increasing subsequences. <i>Duke Mathematical Journal</i> , 2001, 109, .	1.5	135
6	Asymptotics of Tracy-Widom Distributions and the Total Integral of a Painlevé II Function. <i>Communications in Mathematical Physics</i> , 2008, 280, 463-497.	2.2	110
7	The asymptotics of monotone subsequences of involutions. <i>Duke Mathematical Journal</i> , 2001, 109, 205.	1.5	91
8	Products and ratios of characteristic polynomials of random Hermitian matrices. <i>Journal of Mathematical Physics</i> , 2003, 44, 3657-3670.	1.1	75
9	Optimal tail estimates for directed last passage site percolation with geometric random variables. <i>Advances in Theoretical and Mathematical Physics</i> , 2001, 5, 1207-1250.	0.6	59
10	Random vicious walks and random matrices. <i>Communications on Pure and Applied Mathematics</i> , 2000, 53, 1385-1410.	3.1	49
11	Painlevé formulas of the limiting distributions for nonnull complex sample covariance matrices. <i>Duke Mathematical Journal</i> , 2006, 133, 205.	1.5	48
12	A model for the bus system in Cuernavaca (Mexico). <i>Journal of Physics A</i> , 2006, 39, 8965-8975.	1.6	44
13	Limit process of stationary TASEP near the characteristic line. <i>Communications on Pure and Applied Mathematics</i> , 2010, 63, 1017-1070.	3.1	42
14	Fluctuations of the Free Energy of the Spherical Sherrington-Kirkpatrick Model. <i>Journal of Statistical Physics</i> , 2016, 165, 185-224.	1.2	32
15	On the joint distribution of the maximum and its position of the Airy ₂ process minus a parabola. <i>Journal of Mathematical Physics</i> , 2012, 53, 083303.	1.1	29
16	Multipoint distribution of periodic TASEP. <i>Journal of the American Mathematical Society</i> , 2019, 32, 609-674.	3.9	29
17	Fluctuations of TASEP on a Ring in Relaxation Time Scale. <i>Communications on Pure and Applied Mathematics</i> , 2018, 71, 747-813.	3.1	26
18	A GUE central limit theorem and universality of directed first and last passage site percolation. <i>International Mathematics Research Notices</i> , 2005, 2005, 325.	1.0	25

#	ARTICLE	IF	CITATIONS
19	Pfaffian Schur processes and last passage percolation in a half-quadrant. <i>Annals of Probability</i> , 2018, 46, .	1.8	25
20	Random matrix central limit theorems for nonintersecting random walks. <i>Annals of Probability</i> , 2007, 35, 1807.	1.8	22
21	Convergence of the Two-Point Function of the Stationary TASEP. , 2014, , 91-110.		22
22	A Fredholm Determinant Identity and the Convergence of Moments for Random Young Tableaux. <i>Communications in Mathematical Physics</i> , 2001, 223, 627-672.	2.2	21
23	Free energy of bipartite spherical Sherrington-Kirkpatrick model. <i>Annales De L'institut Henri Poincare (B) Probability and Statistics</i> , 2020, 56, .	1.1	19
24	TASEP on a Ring in Sub-relaxation Time Scale. <i>Journal of Statistical Physics</i> , 2016, 165, 1051-1085.	1.2	16
25	Total integrals of global solutions to Painlevé II. <i>Nonlinearity</i> , 2009, 22, 1021-1061.	1.4	15
26	Fluctuations of the Free Energy of the Spherical Sherrington-Kirkpatrick Model with Ferromagnetic Interaction. <i>Annales Henri Poincare</i> , 2017, 18, 1867-1917.	1.7	15
27	Ferromagnetic to Paramagnetic Transition in Spherical Spin Glass. <i>Journal of Statistical Physics</i> , 2018, 173, 1484-1522.	1.2	15
28	Title is missing!. <i>International Mathematics Research Notices</i> , 2002, 2002, 1739.	1.0	13
29	Spherical Spin Glass Model with External Field. <i>Journal of Statistical Physics</i> , 2021, 183, 1.	1.2	10
30	On the Largest Eigenvalue of a Hermitian Random Matrix Model with Spiked External Source II: Higher Rank Cases. <i>International Mathematics Research Notices</i> , 2013, 2013, 3304-3370.	1.0	9
31	Discrete Toeplitz/Hankel Determinants and the Width of Nonintersecting Processes. <i>International Mathematics Research Notices</i> , 2014, 2014, 5737-5768.	1.0	9
32	Periodic TASEP with general initial conditions. <i>Probability Theory and Related Fields</i> , 2021, 179, 1047-1144.	1.8	8
33	Facilitated Exclusion Process. <i>Abel Symposia</i> , 2018, , 1-35.	0.3	7
34	On the Christoffel-Darboux Kernel for Random Hermitian Matrices with External Source. <i>Computational Methods and Function Theory</i> , 2009, 9, 455-471.	1.5	5
35	Limiting one-point distribution of periodic TASEP. <i>Annales De L'institut Henri Poincare (B) Probability and Statistics</i> , 2022, 58, .	1.1	4
36	Random vicious walks and random matrices. <i>Communications on Pure and Applied Mathematics</i> , 2000, 53, 1385-1410.	3.1	3

#	ARTICLE	IF	CITATIONS
37	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
38	Edge Distribution of Thinned Real Eigenvalues in the Real Ginibre Ensemble. Annales Henri Poincare, 0, , 1.	1.7	0