

# Charles Bordenave

## List of Publications by Year in descending order

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32  
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citations

430874

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501196

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32  
all docs

32  
docs citations

32  
times ranked

380  
citing authors

#	ARTICLE	IF	CITATIONS
1	Convergence of the spectral radius of a random matrix through its characteristic polynomial. Probability Theory and Related Fields, 2022, 182, 1163-1181.	1.8	6
2	Noise sensitivity for the top eigenvector of a sparse random matrix. Electronic Journal of Probability, 2022, 27, .	1.0	1
3	Outlier eigenvalues for non-Hermitian polynomials in independent i.i.d. matrices and deterministic matrices. Electronic Journal of Probability, 2021, 26, .	1.0	2
4	Noise sensitivity of the top eigenvector of a Wigner matrix. Probability Theory and Related Fields, 2020, 177, 1103-1135.	1.8	2
5	Graphs with prescribed local neighborhoods of their universal coverings. Journal of Combinatorial Theory Series B, 2019, 138, 196-205.	1.0	1
6	Cutoff at the $\epsilon$ -entropic time for sparse Markov chains. Probability Theory and Related Fields, 2019, 173, 261-292.	1.8	15
7	Random walk on sparse random digraphs. Probability Theory and Related Fields, 2018, 170, 933-960.	1.8	27
8	On the spectral radius of a random matrix: An upper bound without fourth moment. Annals of Probability, 2018, 46, .	1.8	19
9	Spectrum of large random Markov chains: Heavy-tailed weights on the oriented complete graph. Random Matrices: Theory and Application, 2017, 06, 1750006.	1.1	6
10	Delocalization at Small Energy for Heavy-Tailed Random Matrices. Communications in Mathematical Physics, 2017, 354, 115-159.	2.2	8
11	Outlier Eigenvalues for Deformed I.I.D. Random Matrices. Communications on Pure and Applied Mathematics, 2016, 69, 2131-2194.	3.1	20
12	Large deviations of empirical neighborhood distribution in sparse random graphs. Probability Theory and Related Fields, 2015, 163, 149-222.	1.8	29
13	On Quantum Percolation in Finite Regular Graphs. Annales Henri Poincare, 2015, 16, 2465-2497.	1.7	3
14	Spectrum of Markov Generators on Sparse Random Graphs. Communications on Pure and Applied Mathematics, 2014, 67, 621-669.	3.1	21
15	A large deviation principle for Wigner matrices without Gaussian tails. Annals of Probability, 2014, 42, .	1.8	21
16	Matchings on infinite graphs. Probability Theory and Related Fields, 2013, 157, 183-208.	1.8	30
17	Localization and delocalization of eigenvectors for heavy-tailed random matrices. Probability Theory and Related Fields, 2013, 157, 885-953.	1.8	51
18	On Euclidean random matrices in high dimension. Electronic Communications in Probability, 2013, 18, .	0.4	8

#	ARTICLE	IF	CITATIONS
19	Asymptotic Stability Region of Slotted Aloha. IEEE Transactions on Information Theory, 2012, 58, 5841-5855.	2.4	41
20	Around the circular law. Probability Surveys, 2012, 9, .	1.3	136
21	Circular law theorem for random Markov matrices. Probability Theory and Related Fields, 2012, 152, 751-779.	1.8	43
22	Spectrum of large random reversible Markov chains: Heavy-tailed weights on the complete graph. Annals of Probability, 2011, 39, .	1.8	42
23	The rank of diluted random graphs. Annals of Probability, 2011, 39, .	1.8	28
24	Spectrum of Non-Hermitian Heavy Tailed Random Matrices. Communications in Mathematical Physics, 2011, 307, 513-560.	2.2	38
25	On the spectrum of sum and product of non-hermitian random matrices. Electronic Communications in Probability, 2011, 16, .	0.4	32
26	Resolvent of large random graphs. Random Structures and Algorithms, 2010, 37, 332-352.	1.1	68
27	A particle system in interaction with a rapidly varying environment: Mean field limits and applications. Networks and Heterogeneous Media, 2010, 5, 31-62.	1.1	55
28	Dynamic Programming Optimization over Random Data: The Scaling Exponent for Near-Optimal Solutions. SIAM Journal on Computing, 2009, 38, 2382-2410.	1.0	4
29	Eigenvalues of Euclidean random matrices. Random Structures and Algorithms, 2008, 33, 515-532.	1.1	26
30	Performance of random medium access control, an asymptotic approach. , 2008, , .		53
31	Near-minimal spanning trees: A scaling exponent in probability models. Annales De L'institut Henri Poincare (B) Probability and Statistics, 2008, 44, .	1.1	4
32	CUTOFF AT THE ENTROPIC TIME FOR RANDOM WALKS ON COVERED EXPANDER GRAPHS. Journal of the Institute of Mathematics of Jussieu, 0, , 1-46.	0.7	5