

# Peter Morters

## List of Publications by Year in descending order

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74  
papers

993  
citations

567281

15  
h-index

610901

24  
g-index

77  
all docs

77  
docs citations

77  
times ranked

408  
citing authors

#	ARTICLE	IF	CITATIONS
1	Random networks with sublinear preferential attachment: Degree evolutions. <i>Electronic Journal of Probability</i> , 2009, 14, .	1.0	57
2	Spatial preferential attachment networks: Power laws and clustering coefficients. <i>Annals of Applied Probability</i> , 2015, 25, .	1.3	56
3	The Universality Classes in the Parabolic Anderson Model. <i>Communications in Mathematical Physics</i> , 2006, 267, 307-353.	2.2	47
4	A two cities theorem for the parabolic Anderson model. <i>Annals of Probability</i> , 2009, 37, .	1.8	41
5	Random networks with sublinear preferential attachment: The giant component. <i>Annals of Probability</i> , 2013, 41, .	1.8	38
6	Brownian intersection local times: Upper tail asymptotics and thick points. <i>Annals of Probability</i> , 2002, 30, 1605.	1.8	36
7	On the multifractal spectrum of the branching measure on a Galton-Watson tree. <i>Journal of Applied Probability</i> , 2004, 41, 1223-1229.	0.7	28
8	Weak and almost sure limits for the parabolic Anderson model with heavy tailed potentials. <i>Annals of Applied Probability</i> , 2008, 18, .	1.3	25
9	Large deviations of Markov chains indexed by random trees. <i>Annales De L'institut Henri Poincare (B) Probability and Statistics</i> , 2005, 41, 971-996.	1.1	22
10	Tangent measure distributions of fractal measures. <i>Mathematische Annalen</i> , 1998, 312, 53-93.	1.4	18
11	Thin and thick points for branching measure on a Galton-Watson tree. <i>Statistics and Probability Letters</i> , 2002, 58, 13-22.	0.7	18
12	Emergence of Condensation in Kingman's Model of Selection and Mutation. <i>Acta Applicandae Mathematicae</i> , 2013, 127, 17-26.	1.0	18
13	Typical Distances in Ultrasmall Random Networks. <i>Advances in Applied Probability</i> , 2012, 44, 583-601.	0.7	17
14	Robustness of scale-free spatial networks. <i>Annals of Probability</i> , 2017, 45, .	1.8	16
15	Random Networks with Concave Preferential Attachment Rule. <i>Deutsche Mathematiker Vereinigung Jahresbericht</i> , 2011, 113, 21-40.	1.1	15
16	The age-dependent random connection model. <i>Queueing Systems</i> , 2019, 93, 309-331.	0.9	15
17	The multifractal spectrum of Brownian intersection local times. <i>Annals of Probability</i> , 2005, 33, .	1.8	15
18	Large deviation principles for empirical measures of colored random graphs. <i>Annals of Applied Probability</i> , 2010, 20, .	1.3	14

#	ARTICLE	IF	CITATIONS
19	Nonextensive condensation in reinforced branching processes. <i>Annals of Applied Probability</i> , 2017, 27, .	1.3	14
20	Unbiased shifts of Brownian motion. <i>Annals of Probability</i> , 2014, 42, .	1.8	12
21	The average density of the path of planar Brownian motion. <i>Stochastic Processes and Their Applications</i> , 1998, 74, 133-149.	0.9	11
22	Moderate deviations for a random walk in random scenery. <i>Stochastic Processes and Their Applications</i> , 2008, 118, 1768-1802.	0.9	11
23	A Spatial Preferential Attachment Model with Local Clustering. <i>Lecture Notes in Computer Science</i> , 2013, , 14-25.	1.3	11
24	A Set with Finite Curvature and Projections of Zero Length. <i>Journal of Mathematical Analysis and Applications</i> , 2000, 247, 126-135.	1.0	10
25	Minimal supporting subtrees for the free energy of polymers on disordered trees. <i>Journal of Mathematical Physics</i> , 2008, 49, 125203.	1.1	10
26	The contact process on scale-free networks evolving by vertex updating. <i>Royal Society Open Science</i> , 2017, 4, 170081.	2.4	9
27	Phase Transitions For Dilute Particle Systems with Lennard-Jones Potential. <i>Communications in Mathematical Physics</i> , 2010, 299, 603-630.	2.2	8
28	Typical Distances in Ultrasmall Random Networks. <i>Advances in Applied Probability</i> , 2012, 44, 583-601.	0.7	8
29	Vulnerability of robust preferential attachment networks. <i>Electronic Journal of Probability</i> , 2014, 19, .	1.0	8
30	A Scaling Limit Theorem for the Parabolic Anderson Model with Exponential Potential. <i>Springer Proceedings in Mathematics</i> , 2012, , 247-272.	0.5	8
31	Symmetry Properties of Average Densities and Tangent Measure Distributions of Measures on the Line. <i>Advances in Applied Mathematics</i> , 1998, 21, 146-179.	0.7	7
32	Percolation phase transition in weight-dependent random connection models. <i>Advances in Applied Probability</i> , 2021, 53, 1090-1114.	0.7	7
33	Small value probabilities via the branching tree heuristic. <i>Bernoulli</i> , 2008, 14, .	1.3	6
34	The exact packing measure of Brownian double points. <i>Probability Theory and Related Fields</i> , 2009, 143, 113-136.	1.8	6
35	Galton-Watson Trees with Vanishing Martingale Limit. <i>Journal of Statistical Physics</i> , 2014, 155, 737-762.	1.2	6
36	Recurrence versus transience for weight-dependent random connection models. <i>Electronic Journal of Probability</i> , 2022, 27, .	1.0	6

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37	Tangent measure distributions of hyperbolic Cantor sets. Monatshefte Fur Mathematik, 1998, 126, 313-328.	0.9	5
38	Upper tails for intersection local times of random walks in supercritical dimensions. Journal of the London Mathematical Society, 2009, 79, 186-210.	1.0	5
39	Cycle length distributions in random permutations with diverging cycle weights. Random Structures and Algorithms, 2015, 46, 635-650.	1.1	5
40	Small Scale Limit Theorems for the Intersection Local Times of Brownian Motion. Electronic Journal of Probability, 1999, 4, .	1.0	5
41	Almost sure Kallianpurâ€Robbins laws for Brownian motion in the plane. Probability Theory and Related Fields, 2000, 118, 49-64.	1.8	4
42	How fast are the particles of super-Brownian motion?. Probability Theory and Related Fields, 2001, 121, 171-197.	1.8	4
43	The average density of super-Brownian motion. Annales De L'institut Henri Poincare (B) Probability and Statistics, 2001, 37, 71-100.	1.1	4
44	Strong clumping of super-Brownian motion in a stable catalytic medium. Annals of Probability, 2002, 30, 1990.	1.8	4
45	Why study multifractal spectra?. , 0, , 99-120.		4
46	The Shape of the Emerging Condensate in Effective Models of Condensation. Annales Henri Poincare, 2018, 19, 1869-1889.	1.7	4
47	Metastability of the contact process on fast evolving scale-free networks. Annals of Applied Probability, 2019, 29, .	1.3	4
48	A construction of catalytic super-Brownian motion via collision local time. Stochastic Processes and Their Applications, 2005, 115, 77-90.	0.9	3
49	Thick points of super-Brownian motion. Probability Theory and Related Fields, 2005, 131, 604-630.	1.8	3
50	A Class of Weakly Self-Avoiding Walks. Journal of Statistical Physics, 2008, 133, 255-269.	1.2	3
51	Condensation and symmetry-breaking in the zero-range process with weak site disorder. Stochastic Processes and Their Applications, 2016, 126, 3283-3309.	0.9	3
52	Distances in scale free networks at criticality. Electronic Journal of Probability, 2017, 22, .	1.0	3
53	Brownian intersection local times: Exponential moments and law of large masses. Transactions of the American Mathematical Society, 2005, 358, 1223-1255.	0.9	2
54	Simultaneous Multifractal Analysis of the Branching and Visibility Measure on a Galton-Watson Tree. Advances in Applied Probability, 2010, 42, 226-245.	0.7	2

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55	On the most visited sites of planar Brownian motion. <i>Electronic Communications in Probability</i> , 2012, 17, .	0.4	2
56	The Largest Fragment of a Homogeneous Fragmentation Process. <i>Journal of Statistical Physics</i> , 2017, 166, 1226-1246.	1.2	2
57	A Re-entrant Phase Transition in the Survival of Secondary Infections on Networks. <i>Journal of Statistical Physics</i> , 2018, 171, 1122-1135.	1.2	2
58	The Semi-infinite Asymmetric Exclusion Process: Large Deviations via Matrix Products. <i>Potential Analysis</i> , 2018, 48, 301-323.	0.9	2
59	Competing growth processes with random growth rates and random birth times. <i>Stochastic Processes and Their Applications</i> , 2021, 135, 183-226.	0.9	2
60	Hydrodynamic Limit Fluctuations of Super-Brownian Motion with a Stable Catalyst. <i>Electronic Journal of Probability</i> , 2006, 11, .	1.0	2
61	Random Fractals. , 2009, , 275-304.		2
62	Average Densities, Tangent Measures and Rectifiability. <i>Periodica Mathematica Hungarica</i> , 1998, 37, 65-79.	0.9	1
63	On the multifractal spectrum of the branching measure on a Galton-Watson tree. <i>Journal of Applied Probability</i> , 2004, 41, 1223-1229.	0.7	1
64	The Hausdorff Dimension of the Double Points on the Brownian Frontier. <i>Journal of Theoretical Probability</i> , 2010, 23, 605-623.	0.8	1
65	Skorokhod embeddings for two-sided Markov chains. <i>Probability Theory and Related Fields</i> , 2016, 165, 483-508.	1.8	1
66	Optimal embeddings by unbiased shifts of Brownian motion. <i>Bulletin of the London Mathematical Society</i> , 2017, 49, 331-341.	0.8	1
67	Interplay of Analysis and Probability in Physics. <i>Oberwolfach Reports</i> , 2012, 9, 281-349.	0.0	1
68	Intersection Exponents and the Multifractal Spectrum for Measures on Brownian Paths. , 2004, , 135-150.		1
69	Transience Versus Recurrence for Scale-Free Spatial Networks. <i>Lecture Notes in Computer Science</i> , 2020, , 96-110.	1.3	1
70	Multiple Intersection Exponents for Planar Brownian Motion. <i>Journal of Statistical Physics</i> , 2009, 136, 373-397.	1.2	0
71	Near Critical Preferential Attachment Networks have Small Giant Components. <i>Journal of Statistical Physics</i> , 2018, 173, 663-703.	1.2	0
72	Simultaneous Multifractal Analysis of the Branching and Visibility Measure on a Galton-Watson Tree. <i>Advances in Applied Probability</i> , 2010, 42, 226-245.	0.7	0

#	ARTICLE	IF	CITATIONS
73	Upper tail asymptotics for the intersection local times of random walks in high dimensions. Actes Des Rencontres Du CIRM, 2010, 2, 27-29.	0.0	0
74	Robustness of Spatial Preferential Attachment Networks. Lecture Notes in Computer Science, 2015, , 3-14.	1.3	0