Peter Morters

List of Publications by Year
in descending order

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	Recurrence versus transience for weight-dependent random connection models. Electronic Journal of Probability, 2022, 27, .	1.0	6
2	Competing growth processes with random growth rates and random birth times. Stochastic Processes and Their Applications, 2021, 135, 183-226.	0.9	2
3	Percolation phase transition in weight-dependent random connection models. Advances in Applied Probability, 2021, 53, 1090-1114.	0.7	7
4	Transience Versus Recurrence for Scale-Free Spatial Networks. Lecture Notes in Computer Science, 2020, , 96-110.	1.3	1
5	The age-dependent random connection model. Queueing Systems, 2019, 93, 309-331.	0.9	15
6	Metastability of the contact process on fast evolving scale-free networks. Annals of Applied Probability, 2019, 29, .	1.3	4
7	A Re-entrant Phase Transition in the Survival of Secondary Infections on Networks. Journal of Statistical Physics, 2018, 171, 1122-1135.	1.2	2
8	The Semi-infinite Asymmetric Exclusion Process: Large Deviations via Matrix Products. Potential Analysis, 2018, 48, 301-323.	0.9	2
9	Near Critical Preferential Attachment Networks have Small Giant Components. Journal of Statistical Physics, 2018, 173, 663-703.	1.2	0
10	The Shape of the Emerging Condensate in Effective Models of Condensation. Annales Henri Poincare, 2018, 19, 1869-1889.	1.7	4
11	The Largest Fragment of a Homogeneous Fragmentation Process. Journal of Statistical Physics, 2017, 166, 1226-1246.	1.2	2
12	Robustness of scale-free spatial networks. Annals of Probability, 2017, 45, .	1.8	16
13	Optimal embeddings by unbiased shifts of Brownian motion. Bulletin of the London Mathematical Society, 2017, 49, 331-341.	0.8	1
14	The contact process on scale-free networks evolving by vertex updating. Royal Society Open Science, 2017, 4, 170081.	2.4	9
15	Distances in scale free networks at criticality. Electronic Journal of Probability, 2017, 22, .	1.0	3
16	Nonextensive condensation in reinforced branching processes. Annals of Applied Probability, 2017, 27, .	1.3	14
17	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
18	Skorokhod embeddings for two-sided Markov chains. Probability Theory and Related Fields, 2016, 165, 483-508.	1.8	1

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19	Spatial preferential attachment networks: Power laws and clustering coefficients. Annals of Applied Probability, 2015, 25, .	1.3	56
20	Cycle length distributions in random permutations with diverging cycle weights. Random Structures and Algorithms, 2015, 46, 635-650.	1.1	5
21	Robustness of Spatial Preferential Attachment Networks. Lecture Notes in Computer Science, 2015, , 3-14.	1.3	0
22	Galton–Watson Trees with Vanishing Martingale Limit. Journal of Statistical Physics, 2014, 155, 737-762.	1.2	6
23	Vulnerability of robust preferential attachment networks. Electronic Journal of Probability, 2014, 19, .	1.0	8
24	Unbiased shifts of Brownian motion. Annals of Probability, 2014, 42, .	1.8	12
25	Emergence of Condensation in Kingman's Model of Selection and Mutation. Acta Applicandae Mathematicae, 2013, 127, 17-26.	1.0	18
26	Random networks with sublinear preferential attachment: The giant component. Annals of Probability, 2013, 41, .	1.8	38
27	A Spatial Preferential Attachment Model with Local Clustering. Lecture Notes in Computer Science, 2013, , 14-25.	1.3	11
28	Typical Distances in Ultrasmall Random Networks. Advances in Applied Probability, 2012, 44, 583-601.	0.7	17
29	Typical Distances in Ultrasmall Random Networks. Advances in Applied Probability, 2012, 44, 583-601.	0.7	8
30	On the most visited sites of planar Brownian motion. Electronic Communications in Probability, 2012, 17, .	0.4	2
31	A Scaling Limit Theorem for the Parabolic Anderson Model with Exponential Potential. Springer Proceedings in Mathematics, 2012, , 247-272.	0.5	8
32	Interplay of Analysis and Probability in Physics. Oberwolfach Reports, 2012, 9, 281-349.	0.0	1
33	Random Networks with Concave Preferential Attachment Rule. Deutsche Mathematiker Vereinigung Jahresbericht, 2011, 113, 21-40.	1.1	15
34	Large deviation principles for empirical measures of colored random graphs. Annals of Applied Probability, 2010, 20, .	1.3	14
35	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
36	Phase Transitions For Dilute Particle Systems with Lennard-Jones Potential. Communications in Mathematical Physics, 2010, 299, 603-630.	2.2	8

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37	The Hausdorff Dimension of the Double Points onÂtheÂBrownian Frontier. Journal of Theoretical Probability, 2010, 23, 605-623.	0.8	1
38	Simultaneous Multifractal Analysis of the Branching and Visibility Measure on a Galton-Watson Tree. Advances in Applied Probability, 2010, 42, 226-245.	0.7	0
39	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
40	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
41	The exact packing measure of Brownian double points. Probability Theory and Related Fields, 2009, 143, 113-136.	1.8	6
42	Multiple Intersection Exponents forÂPlanar Brownian Motion. Journal of Statistical Physics, 2009, 136, 373-397.	1.2	0
43	A two cities theorem for the parabolic Anderson model. Annals of Probability, 2009, 37, .	1.8	41
44	Random networks with sublinear preferential attachment: Degree evolutions. Electronic Journal of Probability, 2009, 14, .	1.0	57
45	Random Fractals. , 2009, , 275-304.		2
46	Moderate deviations for a random walk in random scenery. Stochastic Processes and Their Applications, 2008, 118, 1768-1802.	0.9	11
47	A Class of Weakly Self-Avoiding Walks. Journal of Statistical Physics, 2008, 133, 255-269.	1.2	3
48	Minimal supporting subtrees for the free energy of polymers on disordered trees. Journal of Mathematical Physics, 2008, 49, 125203.	1.1	10
49	Weak and almost sure limits for the parabolic Anderson model with heavy tailed potentials. Annals of Applied Probability, 2008, 18, .	1.3	25
50	Small value probabilities via the branching tree heuristic. Bernoulli, 2008, 14, .	1.3	6
51	The Universality Classes in the Parabolic Anderson Model. Communications in Mathematical Physics, 2006, 267, 307-353.	2.2	47
52	Hydrodynamic Limit Fluctuations of Super-Brownian Motion with a Stable Catalyst. Electronic Journal of Probability, 2006, 11, .	1.0	2
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	A construction of catalytic super-Brownian motion via collision local time. Stochastic Processes and Their Applications, 2005, 115, 77-90.	0.9	3

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55	Large deviations of Markov chains indexed by random trees. Annales De L'institut Henri Poincare (B) Probability and Statistics, 2005, 41, 971-996.	1.1	22
56	Thick points of super-Brownian motion. Probability Theory and Related Fields, 2005, 131, 604-630.	1.8	3
57	The multifractal spectrum of Brownian intersection local times. Annals of Probability, 2005, 33, .	1.8	15
58	On the multifractal spectrum of the branching measure on a Galton–Watson tree. Journal of Applied Probability, 2004, 41, 1223-1229.	0.7	1
59	On the multifractal spectrum of the branching measure on a Galton–Watson tree. Journal of Applied Probability, 2004, 41, 1223-1229.	0.7	28
60	Intersection Exponents and the Multifractal Spectrum for Measures on Brownian Paths. , 2004, , 135-150.		1
61	Strong clumping of super-Brownian motion in a stable catalytic medium. Annals of Probability, 2002, 30, 1990.	1.8	4
62	Brownian intersection local times: Upper tail asymptotics and thick points. Annals of Probability, 2002, 30, 1605.	1.8	36
63	Thin and thick points for branching measure on a Galton–Watson tree. Statistics and Probability Letters, 2002, 58, 13-22.	0.7	18
64	How fast are the particles of super-Brownian motion?. Probability Theory and Related Fields, 2001, 121, 171-197.	1.8	4
65	The average density of super-Brownian motion. Annales De L'institut Henri Poincare (B) Probability and Statistics, 2001, 37, 71-100.	1.1	4
66	A Set with Finite Curvature and Projections of Zero Length. Journal of Mathematical Analysis and Applications, 2000, 247, 126-135.	1.0	10
67	Almost sure Kallianpur–Robbins laws for Brownian motion in the plane. Probability Theory and Related Fields, 2000, 118, 49-64.	1.8	4
68	Small Scale Limit Theorems for the Intersection Local Times of Brownian Motion. Electronic Journal of Probability, 1999, 4, .	1.0	5
69	Average Densities, Tangent Measures and Rectifiability. Periodica Mathematica Hungarica, 1998, 37, 65-79.	0.9	1
70	Symmetry Properties of Average Densities and Tangent Measure Distributions of Measures on the Line. Advances in Applied Mathematics, 1998, 21, 146-179.	0.7	7
71	Tangent measure distributions of hyperbolic Cantor sets. Monatshefte Fur Mathematik, 1998, 126, 313-328.	0.9	5
72	Tangent measure distributions of fractal measures. Mathematische Annalen, 1998, 312, 53-93.	1.4	18

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73	The average density of the path of planar Brownian motion. Stochastic Processes and Their Applications, 1998, 74, 133-149.	0.9	11
74	Why study multifractal spectra?. , 0, , 99-120.		4