Donald A Dawson

List of Publications by Year
in descending order

36	1,231	566801	377514
papers	citations	15	34
		h-index	g-index

37	37	37	355
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Measure-valued Markov processes. Lecture Notes in Mathematics, 1993, , 1-260.	0.1	362
2	Critical dynamics and fluctuations for a mean-field model of cooperative behavior. Journal of Statistical Physics, 1983, 31, 29-85.	0.5	300
3	Wandering Random Measures in the Fleming-Viot Model. Annals of Probability, 1982, 10, 554.	0.8	63
4	Long-time behavior and coexistence in a mutually catalytic branching model. Annals of Probability, 1998, 26, .	0.8	42
5	Hierarchical models of interacting diffusions: Multiple time scale phenomena, phase transition and pattern of cluster-formation. Probability Theory and Related Fields, 1993, 96, 435-473.	0.9	37
6	Multiple time scale analysis of interacting diffusions. Probability Theory and Related Fields, 1993, 95, 467-508.	0.9	36
7	Occupation Time Fluctuations in Branching Systems. Journal of Theoretical Probability, 2001, 14, 729-796.	0.4	35
8	Nonlocal Branching Superprocesses and Some Related Models. Acta Applicandae Mathematicae, 2002, 74, 93-112.	0.5	30
9	Hierarchically Interacting Fleming-Viot Processes With Selection and Mutation: Multiple Space Time Scale Analysis and Quasi-Equilibria. Electronic Journal of Probability, 1999, 4, .	0.5	27
10	Critical branching in a highly fluctuating random medium. Probability Theory and Related Fields, 1991, 90, 241-274.	0.9	26
11	Generalized Mehler Semigroups and Catalytic Branching Processes with Immigration. Potential Analysis, 2004, 21, 75-97.	0.4	24
12	Construction of immigration superprocesses with dependent spatial motion from one-dimensional excursions. Probability Theory and Related Fields, 2003, 127, 37-61.	0.9	20
13	Super-Brownian motions in higher dimensions with absolutely continuous measure states. Journal of Theoretical Probability, 1995, 8, 179-206.	0.4	19
14	A multilevel branching model. Advances in Applied Probability, 1991, 23, 701-715.	0.4	18
15	Diffusion and Reaction Caused by Point Catalysts. SIAM Journal on Applied Mathematics, 1992, 52, 163-180.	0.8	18
16	Balancing Queues by Mean Field Interaction. Queueing Systems, 2005, 49, 335-361.	0.6	16
17	Mutually catalytic super branching random walks: large finite systems and renormalization analysis. Memoirs of the American Mathematical Society, 2004, 171, 0-0.	0.5	15
18	A multilevel branching model. Advances in Applied Probability, 1991, 23, 701-715.	0.4	13

#	Article	IF	Citations
19	Spatial Fleming-Viot Models with Selection and Mutation. Lecture Notes in Mathematics, 2014, , .	0.1	13
20	Degrees of Transience and Recurrence and Hierarchical Random Walks. Potential Analysis, 2005, 22, 305-350.	0.4	12
21	Multilevel mutation-selection systems and set-valued duals. Journal of Mathematical Biology, 2018, 76, 295-378.	0.8	12
22	Mutually catalytic branching in the plane: uniqueness. Annales De L'institut Henri Poincare (B) Probability and Statistics, 2003, 39, 135-191.	0.7	11
23	High-density limits of hierarchically structured branching-diffusing populations. Stochastic Processes and Their Applications, 1996, 62, 191-222.	0.4	10
24	Non-Differentiable Skew Convolution Semigroups and Related Ornstein–Uhlenbeck Processes. Potential Analysis, 2004, 20, 285-302.	0.4	10
25	The renormalization transformation for two-type branching models. Annales De L'institut Henri Poincare (B) Probability and Statistics, 2008, 44, .	0.7	10
26	Hierarchical Equilibria of Branching Populations. Electronic Journal of Probability, 2004, 9, .	0.5	10
27	Strong uniqueness for cyclically symbiotic branching diffusions. Statistics and Probability Letters, 2005, 73, 251-257.	0.4	8
28	A Limit Theorem for Brownian Motion in a Random Scenery. Canadian Mathematical Bulletin, 1991, 34, 385-391.	0.3	8
29	A DEGENERATE STOCHASTIC PARTIAL DIFFERENTIAL EQUATION FOR THE PURELY ATOMIC SUPERPROCESS WITH DEPENDENT SPATIAL MOTION. Infinite Dimensional Analysis, Quantum Probability and Related Topics, 2003, 06, 597-607.	0.3	7
30	Superprocesses with Coalescing Brownian Spatial Motion as Large-Scale Limits. Journal of Theoretical Probability, 2004, 17, 673-692.	0.4	7
31	Percolation in an ultrametric space. Electronic Journal of Probability, 2013, 18, .	0.5	6
32	Transience and Recurrence of Random Walks on Percolation Clusters in an Ultrametric Space. Journal of Theoretical Probability, 2018, 31, 494-526.	0.4	3
33	Hierarchical and Mean-Field Stepping Stone Models. The IMA Volumes in Mathematics and Its Applications, 1997, , 287-298.	0.5	2
34	Local Stability of McKean–Vlasov Equations Arising from Heterogeneous Gibbs Systems Using Limit of Relative Entropies. Entropy, 2021, 23, 1407.	1.1	1
35	A Class of Affine Processes Arising as Fluctuation Limits of Super-Brownian Motion in a Super-Brownian Catalytic Medium. Stochastic Analysis and Applications, 2012, 30, 1041-1061.	0.9	0
36	Random systems in ultrametric spaces. Advances in Applied Probability, 2018, 50, 83-97.	0.4	0