

Donald A Dawson

List of Publications by Year in descending order

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36
papers

1,231
citations

566801

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377514

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docs citations

37
times ranked

355
citing authors

#	ARTICLE	IF	CITATIONS
1	Local Stability of McKean-Vlasov Equations Arising from Heterogeneous Gibbs Systems Using Limit of Relative Entropies. <i>Entropy</i> , 2021, 23, 1407.	1.1	1
2	Transience and Recurrence of Random Walks on Percolation Clusters in an Ultrametric Space. <i>Journal of Theoretical Probability</i> , 2018, 31, 494-526.	0.4	3
3	Multilevel mutation-selection systems and set-valued duals. <i>Journal of Mathematical Biology</i> , 2018, 76, 295-378.	0.8	12
4	Random systems in ultrametric spaces. <i>Advances in Applied Probability</i> , 2018, 50, 83-97.	0.4	0
5	Spatial Fleming-Viot Models with Selection and Mutation. <i>Lecture Notes in Mathematics</i> , 2014, , .	0.1	13
6	Percolation in an ultrametric space. <i>Electronic Journal of Probability</i> , 2013, 18, .	0.5	6
7	A Class of Affine Processes Arising as Fluctuation Limits of Super-Brownian Motion in a Super-Brownian Catalytic Medium. <i>Stochastic Analysis and Applications</i> , 2012, 30, 1041-1061.	0.9	0
8	The renormalization transformation for two-type branching models. <i>Annales De L'institut Henri Poincare (B) Probability and Statistics</i> , 2008, 44, .	0.7	10
9	Strong uniqueness for cyclically symbiotic branching diffusions. <i>Statistics and Probability Letters</i> , 2005, 73, 251-257.	0.4	8
10	Degrees of Transience and Recurrence and Hierarchical Random Walks. <i>Potential Analysis</i> , 2005, 22, 305-350.	0.4	12
11	Balancing Queues by Mean Field Interaction. <i>Queueing Systems</i> , 2005, 49, 335-361.	0.6	16
12	Superprocesses with Coalescing Brownian Spatial Motion as Large-Scale Limits. <i>Journal of Theoretical Probability</i> , 2004, 17, 673-692.	0.4	7
13	Non-Differentiable Skew Convolution Semigroups and Related Ornstein-Uhlenbeck Processes. <i>Potential Analysis</i> , 2004, 20, 285-302.	0.4	10
14	Generalized Mehler Semigroups and Catalytic Branching Processes with Immigration. <i>Potential Analysis</i> , 2004, 21, 75-97.	0.4	24
15	Mutually catalytic super branching random walks: large finite systems and renormalization analysis. <i>Memoirs of the American Mathematical Society</i> , 2004, 171, 0-0.	0.5	15
16	Hierarchical Equilibria of Branching Populations. <i>Electronic Journal of Probability</i> , 2004, 9, .	0.5	10
17	Construction of immigration superprocesses with dependent spatial motion from one-dimensional excursions. <i>Probability Theory and Related Fields</i> , 2003, 127, 37-61.	0.9	20
18	Mutually catalytic branching in the plane: uniqueness. <i>Annales De L'institut Henri Poincare (B) Probability and Statistics</i> , 2003, 39, 135-191.	0.7	11

#	ARTICLE	IF	CITATIONS
19	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
20	Nonlocal Branching Superprocesses and Some Related Models. Acta Applicandae Mathematicae, 2002, 74, 93-112.	0.5	30
21	Occupation Time Fluctuations in Branching Systems. Journal of Theoretical Probability, 2001, 14, 729-796.	0.4	35
22	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
23	Long-time behavior and coexistence in a mutually catalytic branching model. Annals of Probability, 1998, 26, .	0.8	42
24	Hierarchical and Mean-Field Stepping Stone Models. The IMA Volumes in Mathematics and Its Applications, 1997, , 287-298.	0.5	2
25	High-density limits of hierarchically structured branching-diffusing populations. Stochastic Processes and Their Applications, 1996, 62, 191-222.	0.4	10
26	Super-Brownian motions in higher dimensions with absolutely continuous measure states. Journal of Theoretical Probability, 1995, 8, 179-206.	0.4	19
27	Multiple time scale analysis of interacting diffusions. Probability Theory and Related Fields, 1993, 95, 467-508.	0.9	36
28	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
29	Measure-valued Markov processes. Lecture Notes in Mathematics, 1993, , 1-260.	0.1	362
30	Diffusion and Reaction Caused by Point Catalysts. SIAM Journal on Applied Mathematics, 1992, 52, 163-180.	0.8	18
31	A multilevel branching model. Advances in Applied Probability, 1991, 23, 701-715.	0.4	18
32	A multilevel branching model. Advances in Applied Probability, 1991, 23, 701-715.	0.4	13
33	Critical branching in a highly fluctuating random medium. Probability Theory and Related Fields, 1991, 90, 241-274.	0.9	26
34	A Limit Theorem for Brownian Motion in a Random Scenery. Canadian Mathematical Bulletin, 1991, 34, 385-391.	0.3	8
35	Critical dynamics and fluctuations for a mean-field model of cooperative behavior. Journal of Statistical Physics, 1983, 31, 29-85.	0.5	300
36	Wandering Random Measures in the Fleming-Viot Model. Annals of Probability, 1982, 10, 554.	0.8	63