

Robert I A Patterson

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

100
citations

1684188

5
h-index

1372567

10
g-index

13
all docs

13
docs citations

13
times ranked

66
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-equilibrium Thermodynamical Principles for Chemical Reactions with Mass-Action Kinetics. SIAM Journal on Applied Mathematics, 2017, 77, 1562-1585.	1.8	27
2	A Stochastic Weighted Particle Method for Coagulation-Advection Problems. SIAM Journal of Scientific Computing, 2012, 34, B290-B311.	2.8	19
3	Large Deviations of Jump Process Fluxes. Mathematical Physics Analysis and Geometry, 2019, 22, 1.	1.0	13
4	Topologies and measures on the space of functions of bounded variation taking values in a Banach or metric space. Journal of Evolution Equations, 2019, 19, 111-152.	1.1	11
5	Convergence of Stochastic Particle Systems Undergoing Advection and Coagulation. Stochastic Analysis and Applications, 2013, 31, 800-829.	1.5	7
6	Large deviation principles for connectable receivers in wireless networks. Advances in Applied Probability, 2016, 48, 1061-1094.	0.7	5
7	Stochastic-deterministic population balance modeling and simulation of a fluidized bed crystallizer experiment. Chemical Engineering Science, 2019, 208, 115102.	3.8	5
8	A large deviations principle for all the cluster sizes of a sparse Erdős-Rényi graph. Random Structures and Algorithms, 2021, 59, 522.	1.1	5
9	Properties of the solutions of delocalised coagulation and inception problems with outflow boundaries. Journal of Evolution Equations, 2016, 16, 261-291.	1.1	2
10	A Kinetic Equation for the Distribution of Interaction Clusters in Rarefied Gases. Journal of Statistical Physics, 2017, 169, 126-167.	1.2	2
11	Large deviations for Markov jump processes with uniformly diminishing rates. Stochastic Processes and Their Applications, 2022, 152, 533-559.	0.9	2
12	Cell Size Error in Stochastic Particle Methods for Coagulation Equations with Advection. SIAM Journal on Numerical Analysis, 2014, 52, 424-442.	2.3	1
13	Traffic flow densities in large transport networks. Advances in Applied Probability, 2017, 49, 1091-1115.	0.7	1