

# Robert I A Patterson

## List of Publications by Year in descending order

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13  
papers

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citations

1684188

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1372567

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