MaÅ‚gorzata M O'reilly

List of Publications by Year
in descending order

30 papers	432 citations	840776 11 h-index	752698 20 g-index
31 all docs	31 docs citations	31 times ranked	202 citing authors

#	Article	IF	Citations
1	Hitting probabilities and hitting times for stochastic fluid flows. Stochastic Processes and Their Applications, 2005, 115, 1530-1556.	0.9	65
2	ALGORITHMS FOR RETURN PROBABILITIES FOR STOCHASTIC FLUID FLOWS. Stochastic Models, 2005, 21, 149-184.	0.5	65
3	Algorithms for the Laplaceâ€“Stieltjes Transforms of First Return Times for Stochastic Fluid Flows. Methodology and Computing in Applied Probability, 2008, 10, 381-408.	1.2	39
4	Performance measures of a multi-layer Markovian fluid model. Annals of Operations Research, 2008, 160, 99-120.	4.1	37
5	HITTING PROBABILITIES AND HITTING TIMES FOR STOCHASTIC FLUID FLOWS: THE BOUNDED MODEL. Probability in the Engineering and Informational Sciences, 2009, 23, 121-147.	0.8	27
6	A Stochastic Fluid Flow Model of the Operation and Maintenance of Power Generation Systems. IEEE Transactions on Power Systems, 2010, 25, 1361-1374.	6.5	27
7	A Relative Density Ratio-Based Framework for Detection of Land Cover Changes in MODIS NDVI Time Series. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 3359-3371.	4.9	25
8	A Stochastic Two-Dimensional Fluid Model. Stochastic Models, 2013, 29, 31-63.	0.5	22
9	Analysis of a mechanistic Markov model for gene duplicates evolving under subfunctionalization. BMC Evolutionary Biology, 2017, 17, 38.	3.2	17
10	The stochastic fluidâ€“fluid model: A stochastic fluid model driven by an uncountable-state process, which is a stochastic fluid model itself. Stochastic Processes and Their Applications, 2014, 124, 1741-1772.	0.9	14
11	A robust multi-kernel change detection framework for detecting leaf beetle defoliation using Landsat 7 ETM+ data. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 122, 167-178.	11.1	13
12	Stochastic model for maintenance in continuouslyÂdeteriorating systems. European Journal of Operational Research, 2017, 259, 1169-1179.	5.7	12
13	On Mechanistic Modeling of Gene Content Evolution: Birth-Death Models and Mechanisms of Gene Birth and Gene Retention. Computation, 2014, 2, 112-130.	2.0	10
14	Loss rates for stochastic fluid models. Performance Evaluation, 2013, 70, 593-606.	1.2	8
15	A Markovian approach to power generation capacity assessment of floating wave energy converters. Renewable Energy, 2020, 146, 2736-2743.	8.9	8
16	Multi-stage stochastic fluid models for congestion control. European Journal of Operational Research, 2014, 238, 514-526.	5.7	7
17	Detecting beetle infestations in pine forests using MODIS NDVI time-series data. , 2013, , .		6
18	Level-dependent QBD models for the evolution of a family of gene duplicates. Stochastic Models, 2020, 36, 285-311.	0.5	6

#	ARTICLE	IF	CITATIONS
19	Spatially-coherent uniformization of a stochastic fluid model to a Quasi-Birth-and-Death process. Performance Evaluation, 2013, 70, 578-592.	1.2	5
20	On the generalized reward generator for stochastic fluid models: A new equation for Î¨. Stochastic Models, 2017, 33, 495-523.	0.5	4
21	A stochastic fluid model driven by an uncountable-state process, which is a stochastic fluid model itself. Performance Evaluation Review, 2012, 39, 32-32.	0.6	3
22	Stationary distributions for a class of Markov-modulated tandem fluid queues. Stochastic Models, 2017, 33, 524-550.	0.5	3
23	On the decision support model for the patient admission scheduling problem with random arrivals and departures: A solution approach. Stochastic Models, 2020, 36, 312-336.	0.5	3
24	Second-order Markov reward models driven by QBD processes. Performance Evaluation, 2012, 69, 440-455.	1.2	2
25	The analysis of cyclic stochastic fluid flows with time-varying transition rates. Queueing Systems, 2016, 82, 43-73.	0.9	2
26	Construction of algorithms for discrete-time quasi-birth-and-death processes through physical interpretation. Stochastic Models, 2020, 36, 193-222.	0.5	1
27	Yaglom limit for stochastic fluid models. Advances in Applied Probability, 2021, 53, 649-686.	0.7	1
28	Stochastic 2-dimensional fluid model. Performance Evaluation Review, 2012, 39, 45-45.	0.6	0
29	Matrix-analytic methods for the analysis of stochastic fluid-fluid models. Stochastic Models, 0, , 1-46.	0.5	0
30	A Discontinuous Galerkin Method for Approximating the Stationary Distribution of Stochastic Fluid-Fluid Processes. Methodology and Computing in Applied Probability, 0, , .	1.2	0