

Carron Shankland

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

182
citations

1307594

7
h-index

1199594

12
g-index

25
all docs

25
docs citations

25
times ranked

152
citing authors

#	ARTICLE	IF	CITATIONS
1	Waning Immunity Is Associated with Periodic Large Outbreaks of Mumps: A Mathematical Modeling Study of Scottish Data. <i>Frontiers in Physiology</i> , 2017, 8, 233.	2.8	32
2	The Tree Identify Protocol of IEEE 1394 in $\hat{1}/4$ CRL. <i>Formal Aspects of Computing</i> , 1998, 10, 509-531.	1.8	21
3	A Modal Logic for Full LOTOS based on Symbolic Transition Systems. <i>Computer Journal</i> , 2002, 45, 55-61.	2.4	16
4	From individuals to populations: A mean field semantics for process algebra. <i>Theoretical Computer Science</i> , 2011, 412, 1557-1580.	0.9	15
5	From Individuals to Populations: A Symbolic Process Algebra Approach to Epidemiology. <i>Mathematics in Computer Science</i> , 2009, 2, 535-556.	0.4	10
6	A Symbolic Investigation of Superspreaders. <i>Bulletin of Mathematical Biology</i> , 2011, 73, 777-794.	1.9	10
7	Process Algebra Models of Population Dynamics. <i>Lecture Notes in Computer Science</i> , 2008, , 139-155.	1.3	9
8	IEEE 1394 Tree Identify Protocol: Introduction to the Case Study. <i>Formal Aspects of Computing</i> , 2003, 14, 200-214.	1.8	7
9	But What if I Don't Want to Wait Forever?. <i>Formal Aspects of Computing</i> , 2003, 14, 281-294.	1.8	7
10	A rigorous approach to investigating common assumptions about disease transmission. <i>Theory in Biosciences</i> , 2011, 130, 19-29.	1.4	6
11	Optimisation of process algebra models using evolutionary computation. , 2011, , .		6
12	Evolving Bio-PEPA process algebra models using genetic programming. , 2012, , .		6
13	Improved Continuous Approximation of PEPA Models through Epidemiological Examples. <i>Electronic Notes in Theoretical Computer Science</i> , 2009, 229, 59-74.	0.9	5
14	PEPA $\hat{1}/4$ d Oysters: Converting Dynamic Energy Budget Models to Bio-PEPA, Illustrated by a Pacific Oyster Case Study. <i>Electronic Notes in Theoretical Computer Science</i> , 2013, 296, 211-228.	0.9	5
15	Improving process algebra model structure and parameters in infectious disease epidemiology through data mining. <i>Journal of Intelligent Information Systems</i> , 2019, 52, 477-499.	3.9	5
16	Investigating Co-infection Dynamics through Evolution of Bio-PEPA Model Parameters: A Combined Process Algebra and Evolutionary Computing Approach. <i>Lecture Notes in Computer Science</i> , 2012, , 227-246.	1.3	5
17	Using Process Algebra to Model Radiation Induced Bystander Effects. <i>Lecture Notes in Computer Science</i> , 2014, , 196-210.	1.3	4
18	Measles Epidemics and PEPA: An Exploration of Historic Disease Dynamics Using Process Algebra. <i>Lecture Notes in Computer Science</i> , 2012, , 101-115.	1.3	4

#	ARTICLE	IF	CITATIONS
19	Using process algebra to develop predator-prey models of within-host parasite dynamics. Journal of Theoretical Biology, 2013, 329, 74-81.	1.7	3
20	A case study in abstraction using E-LOTOS and the FireWire. Computer Networks, 2001, 37, 481-502.	5.1	2
21	Decision Support based on Bio-PEPA Modeling and Decision Tree Induction. International Journal of Information Systems in the Service Sector, 2017, 9, 71-101.	0.4	2
22	Process Algebra with Layers: Multi-scale Integration Modelling Applied to Cancer Therapy. Lecture Notes in Computer Science, 2017, , 118-133.	1.3	1
23	Effective Use of Evolutionary Computation to Parameterise an Epidemiological Model. Lecture Notes in Computer Science, 2020, , 19-32.	1.3	0