Vashti Galpin

List of Publications by Year
in descending order

35 papers	413 citations	1162889 8 h-index	940416 16 g-index
37 all docs	37 docs citations	37 times ranked	250 citing authors

#	Article	IF	Citations
1	Curating Covid-19 Data in Links. Lecture Notes in Computer Science, 2021, , 237-243.	1.0	1
2	STATISTICAL ANALYSIS OF Carma MODELS: AN ADVANCED TUTORIAL. , 2018, , .		1
3	Formal Modelling of Software Defined Networking. Lecture Notes in Computer Science, 2018, , 172-193.	1.0	0
4	Formal Analysis of Sneak-Peek: A Data Centre Attack and Its Mitigations. IFIP Advances in Information and Communication Technology, 2018, , 307-322.	0.5	2
5	Mesoscopic Modelling of Pedestrian Movement Using C <scp>arma</scp> and Its Tools. ACM Transactions on Modeling and Computer Simulation, 2018, 28, 1-26.	0.6	8
6	Automatic Moment-Closure Approximation of Spatially Distributed Collective Adaptive Systems. ACM Transactions on Modeling and Computer Simulation, 2016, 26, 1-22.	0.6	15
7	Spatial Representations and Analysis Techniques. Lecture Notes in Computer Science, 2016, , 120-155.	1.0	6
8	Quantitative Modelling of Residential Smart Grids. Lecture Notes in Computer Science, 2015, , 161-175.	1.0	0
9	Modelling Residential Smart Energy Schemes. , 2014, , .		1
10	Hybrid semantics for Bio-PEPA. Information and Computation, 2014, 236, 122-145.	0.5	3
11	HYPE: Hybrid modelling by composition of flows. Formal Aspects of Computing, 2013, 25, 503-541.	1.4	12
12	Rosen's (M,R) system in process algebra. BMC Systems Biology, 2013, 7, 128.	3.0	10
13	Formal Methods for Checking the Consistency of Biological Models. Advances in Experimental Medicine and Biology, 2012, 736, 461-475.	0.8	8
14	Modelling Trafficking of Proteins within the Mammalian Cell Using Bio-PEPA. Lecture Notes in Computer Science, 2012, , 374-377.	1.0	1
15	Equivalences for a biological process algebra. Theoretical Computer Science, 2011, 412, 6058-6082.	0.5	9
16	A semantic equivalence for Bio-PEPA based on discretisation of continuous values. Theoretical Computer Science, 2011, 412, 2142-2161.	0.5	9
17	Continuous approximation of PEPA models and Petri nets. International Journal of Computer Aided Engineering and Technology, 2010, 2, 324.	0.1	14
18	Hybrid Semantics for PEPA. , 2010, , .		7

#	Article	IF	Citations
19	Modelling Network Performance with a Spatial Stochastic Process Algebra. , 2009, , .		6
20	HYPE: A Process Algebra for Compositional Flows and Emergent Behaviour. Lecture Notes in Computer Science, 2009, , 305-320.	1.0	9
21	HYPE Applied to the Modelling of Hybrid Biological Systems. Electronic Notes in Theoretical Computer Science, 2008, 218, 33-51.	0.9	11
22	Perceptions of Computer Science at a South African university. Computers and Education, 2007, 49, 1330-1356.	5.1	17
23	Mental models of recursion revisited. SIGCSE Bulletin, 2006, 38, 138-142.	0.1	15
24	Mental models of recursion revisited. , 2006, , .		17
25	ICT Usage in Sub-Saharan Africa. , 2006, , 786-792.		0
26	A format for semantic equivalence comparison. Theoretical Computer Science, 2003, 309, 65-109.	0.5	3
27	Computer self-efficacy, gender, and educational background in south africa. IEEE Technology and Society Magazine, 2003, 22, 43-48.	0.6	19
28	Mental models of recursion. , 2003, , .		40
29	Women in computing around the world. SIGCSE Bulletin, 2002, 34, 94-100.	0.1	101
30	Gender imbalances in computer science at the University of the Witwatersrand. SIGCSE Bulletin, 1993, 25, 2-4.	0.1	5
31	CARMA: Collective Adaptive Resource-sharing Markovian Agents. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 194, 16-31.	0.8	30
32	HYPE with stochastic events. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 57, 120-133.	0.8	7
33	A semi-quantitative equivalence for abstracting from fast reactions. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 67, 34-49.	0.8	4
34	Hybrid performance modelling of opportunistic networks. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 85, 106-121.	0.8	12
35	Modelling movement for collective adaptive systems with CARMA. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 217, 43-52.	0.8	1