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	Women in computing around the world. SIGCSE Bulletin, 2002, 34, 94-100.	0.1	101
2	Mental models of recursion. , 2003, , .		40
3	CARMA: Collective Adaptive Resource-sharing Markovian Agents. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 194, 16-31.	0.8	30
4	Computer self-efficacy, gender, and educational background in south africa. IEEE Technology and Society Magazine, 2003, 22, 43-48.	0.6	19
5	Mental models of recursion revisited. , 2006, , .		17
6	Perceptions of Computer Science at a South African university. Computers and Education, 2007, 49, 1330-1356.	5.1	17
7	Mental models of recursion revisited. SIGCSE Bulletin, 2006, 38, 138-142.	0.1	15
8	Automatic Moment-Closure Approximation of Spatially Distributed Collective Adaptive Systems. ACM Transactions on Modeling and Computer Simulation, 2016, 26, 1-22.	0.6	15
9	Continuous approximation of PEPA models and Petri nets. International Journal of Computer Aided Engineering and Technology, 2010, 2, 324.	0.1	14
10	HYPE: Hybrid modelling by composition of flows. Formal Aspects of Computing, 2013, 25, 503-541.	1.4	12
11	Hybrid performance modelling of opportunistic networks. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 85, 106-121.	0.8	12
12	HYPE Applied to the Modelling of Hybrid Biological Systems. Electronic Notes in Theoretical Computer Science, 2008, 218, 33-51.	0.9	11
13	Rosenâ€™s (M,R) system in process algebra. BMC Systems Biology, 2013, 7, 128.	3.0	10
14	Equivalences for a biological process algebra. Theoretical Computer Science, 2011, 412, 6058-6082.	0.5	9
15	A semantic equivalence for Bio-PEPA based on discretisation of continuous values. Theoretical Computer Science, 2011, 412, 2142-2161.	0.5	9
16	HYPE: A Process Algebra for Compositional Flows and Emergent Behaviour. Lecture Notes in Computer Science, 2009, , 305-320.	1.0	9
17	Formal Methods for Checking the Consistency of Biological Models. Advances in Experimental Medicine and Biology, 2012, 736, 461-475.	0.8	8
18	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

#	Article	IF	Citations
19	Hybrid Semantics for PEPA. , 2010, , .		7
20	HYPE with stochastic events. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 57, 120-133.	0.8	7
21	Modelling Network Performance with a Spatial Stochastic Process Algebra. , 2009, , .		6
22	Spatial Representations and Analysis Techniques. Lecture Notes in Computer Science, 2016, , 120-155.	1.0	6
23	Gender imbalances in computer science at the University of the Witwatersrand. SIGCSE Bulletin, 1993, 25, 2-4.	0.1	5
24	A semi-quantitative equivalence for abstracting from fast reactions. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 67, 34-49.	0.8	4
25	A format for semantic equivalence comparison. Theoretical Computer Science, 2003, 309, 65-109.	0.5	3
26	Hybrid semantics for Bio-PEPA. Information and Computation, 2014, 236, 122-145.	0.5	3
27	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
28	Modelling Residential Smart Energy Schemes. , 2014, , .		1
29	STATISTICAL ANALYSIS OF Carma MODELS: AN ADVANCED TUTORIAL. , 2018, , .		1
30	Curating Covid-19 Data in Links. Lecture Notes in Computer Science, 2021, , 237-243.	1.0	1
31	Modelling Trafficking of Proteins within the Mammalian Cell Using Bio-PEPA. Lecture Notes in Computer Science, 2012, , 374-377.	1.0	1
32	Modelling movement for collective adaptive systems with CARMA. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 217, 43-52.	0.8	1
33	Formal Modelling of Software Defined Networking. Lecture Notes in Computer Science, 2018, , 172-193.	1.0	0
34	ICT Usage in Sub-Saharan Africa. , 2006, , 786-792.		0
35	Quantitative Modelling of Residential Smart Grids. Lecture Notes in Computer Science, 2015, , 161-175.	1.0	0