Angelo Furfaro

List of Publications by Year
in descending order

64 papers	505 citations	933447 10 h-index	888059 17 g-index
65 all docs	65 docs citations	65 times ranked	404 citing authors

#	Article	IF	Citations
1	ID-Service: A Blockchain-Based Platform to Support Digital-Identity-Aware Service Accountability. Applied Sciences (Switzerland), 2021, 11, 165.	2.5	10
2	Facing DDoS bandwidth flooding attacks. Simulation Modelling Practice and Theory, 2020, 98, 101984.	3.8	10
3	An Infrastructure for Service Accountability based on Digital Identity and Blockchain 3.0. , 2019, , .		9
4	Making IoT Services Accountable: A Solution Based on Blockchain and Physically Unclonable Functions. Lecture Notes in Computer Science, 2019, , 294-305.	1.3	4
5	Exploiting Content Spatial Distribution to Improve Detection of Intrusions. ACM Transactions on Internet Technology, 2018, 18, 1-21.	4.4	3
6	A hierarchical hybrid framework for modelling anomalous behaviours. Simulation Modelling Practice and Theory, 2018, 82, 103-115.	3.8	2
7	Cybersecurity compliance analysis as a service: Requirements specification and application scenarios. Concurrency Computation Practice and Experience, 2018, 30, e4289.	2.2	5
8	Exploiting Adaptive Ladder Queue into Repast Simulation platform. , 2018, , .		0
9	Effectiveness of Content Spatial Distribution Analysis in Securing IoT Environments. , 2018, , .		1
10	Adaptive Ladder Queue. , 2018, , .		3
11	A Cloud-based platform for the emulation of complex cybersecurity scenarios. Future Generation Computer Systems, 2018, 89, 791-803.	7.5	15
12	Achieving Service Accountability Through Blockchain and Digital Identity. Lecture Notes in Business Information Processing, 2018, , 16-23.	1.0	8
13	Using virtual environments for the assessment of cybersecurity issues in IoT scenarios. Simulation Modelling Practice and Theory, 2017, 73, 43-54.	3.8	43
14	Requirements specification of a cloud service for Cyber Security compliance analysis. , 2016, , .		3
15	A virtual environment for the enactment of realistic cyber security scenarios. , 2016, , .		1
16	ResDevOps: A Software Engineering Framework for Achieving Long-Lasting Complex Systems. , 2016, , .		5
17	Modeling Cyber Systemic Risk for the Business Continuity Plan of a Bank. Lecture Notes in Computer Science, 2016, , 158-174.	1.3	3
18	Honeypot-Powered Malware Reverse Engineering. , 2016, , .		7

#	Article	IF	Citations
19	A Simulation Model for the Analysis of DDoS Amplification Attacks. , 2015, , .		5
20	An analytical processing approach to supporting cyber security compliance assessment. , 2015, , .		4
21	A Safe Supervisory Flight Control Scheme in the Presence of Constraints and Anomalies. International Journal of Applied Mathematics and Computer Science, 2015, 25, 39-51.	1.5	2
22	A Hybrid Real-Time Command Governor Supervisory Scheme for Constrained Control Systems. IEEE Transactions on Control Systems Technology, 2015, 23, 924-936.	5.2	10
23	A multi-protocol framework for the development of collaborative virtual environments. , 2015, , .		0
24	Exploiting N-Gram Location for Intrusion Detection. , 2015, , .		10
25	Towards Security as a Service (SecaaS): On the modeling of Security Services for Cloud Computing. , 2014, , .		27
26	Modelling and Simulation of a Defense Strategy to Face Indirect DDoS Flooding Attacks. Lecture Notes in Computer Science, 2014, , 263-274.	1.3	4
27	An hybrid command governor supervisory scheme for flight control systems subject to unpredictable anomalies. , 2013, , .		7
28	Application of the Artificial Neural Network for blood pressure evaluation with smartphones. , 2013, , .		22
29	Using time stream Petri nets for workflow modelling analysis and enactment. Simulation, 2013, 89, 68-86.	1.8	8
30	Image Classification Based on 2D Feature Motifs. Lecture Notes in Computer Science, 2013, , 340-351.	1.3	3
31	Agent Methodological Layers In Repast Simphony. , 2013, , .		4
32	Development of a Schedulability Analysis Framework Based on pTPN and UPPAAL with Stopwatches. , 2012, , .		10
33	Model checking time-dependent system specifications using Time Stream Petri Nets and Uppaal. Applied Mathematics and Computation, 2012, 218, 8160-8186.	2.2	18
34	Agents Over The Grid: An Experience Using The Globus Toolkit 4. , 2012, , .		1
35	HLA_ACTOR_REPAST: An approach to distributing RePast models for high-performance simulations. Simulation Modelling Practice and Theory, 2011, 19, 283-300.	3.8	14
36	Modelling and simulation of complex manufacturing systems using statechart-based actors. Simulation Modelling Practice and Theory, 2011, 19, 685-703.	3.8	28

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37	Dynamic Sociality Minority Game. , 2011, , .		1
38	A service-based architecture for dynamically reconfigurable workflows. Journal of Systems and Software, 2010, 83, 1148-1164.	4.5	14
39	A fault-tolerant real-time supervisory scheme for an interconnected four-tank system. , 2010, , .		7
40	Temporal verification of RT-DEVS models with implementation aspects. , 2010, , .		1
41	Using time stream Petri nets over a service architecture for workflow modelling and enactment. , 2010, , .		0
42	Parallel Simulation of Multi-agent Systems Using Terracotta. , 2010, , .		4
43	An Agent Infrastructure over HLA for Distributed Simulation of Reconfigurable Systems and its Application to UAV Coordination*. Simulation, 2009, 85, 17-32.	1.8	34
44	A development methodology for embedded systems based on RT-DEVS. Innovations in Systems and Software Engineering, 2009, 5, 117-127.	2.1	19
45	Distributed Simulation of RePast Models over HLA/Actors. , 2009, , .		3
46	Embedded Control Systems Design based on RT-DEVS and temporal analysis using UPPAAL. Proceedings of the International Multiconference on Computer Science and Information Technology, 2008, , .	0.0	4
47	Actor-Based Simulation of PDEVS systems over HLA. Simulation Symposium, Proceedings of the Annual, 2008, , .	0.0	9
48	An Agent Infrastructure for Distributed Simulations over HLA and a Case Study Using Unmanned Aerial Vehicles. , 2007, , .		10
49	Integration and Interoperability between Jini services and Web Services. , 2007, , .		3
50	Exploiting agents for modelling and simulation of coverage control protocols in large sensor networks. Journal of Systems and Software, 2007, 80, 1817-1832.	4.5	16
51	Timed verification of hierarchical communicating real-time state machines. Computer Standards and Interfaces, 2007, 29, 635-646.	5.4	2
52	REAL-TIME CLIMATE CONTROL IN A COMPLEX GREENHOUSE. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 271-276.	0.4	1
53	Modular Design of Real-Time Systems Using Hierarchical Communicating Real-time State Machines. Real-Time Systems, 2006, 32, 105-123.	1.3	5
54	Distributed simulation of modular time Petri nets: An approach and a case study exploiting temporal uncertainty. Real-Time Systems, 2006, 35, 153-179.	1.3	10

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55	MADAMS: A software architecture for the management of networked measurement services. Computer Standards and Interfaces, 2006, 28, 396-411.	5.4	19
56	Remote Sensor Calibration Through MADAMS Services. , 2005, , .		0
57	Multimedia synchronization based on aspect oriented programming. Microprocessors and Microsystems, 2004, 28, 47-56.	2.8	9
58	Modelling and simulation of complex systems using TPN Designer. Simulation Modelling Practice and Theory, 2003, 11, 503-532.	3.8	10
59	Real-Time Systems Development Using Hierarchical State Machines. Lecture Notes in Computer Science, 2003, , 110-121.	1.3	3
60	Aspect oriented programming using actors. , 0, , .		0
61	Distributed simulation of timed coloured Petri nets. , 0, , .		1
62	Management architecture for distributed measurement services [power demand monitoring and control system example]. , 0, , .		7
63	An Approach to Protocol Modeling and Validation. , 0, , .		2
64	2D Motif Basis Applied to the Classification of Digital Images. Computer Journal, 0, , .	2.4	2