Laurent Capocchi

List of Publications by Year
in descending order

38 papers	**268** citations	1684188 **5** h-index	1199594 **12** g-index
38 all docs	**38** docs citations	**38** times ranked	**225** citing authors

#	Article	IF	Citations
1	Discrete Event Modeling and Simulation for Reinforcement Learning System Design. Information (Switzerland), 2022, 13, 121.	2.9	6
2	A web-based simulation of discrete-event system of system with the mobile application DEVSimPy-mob. SoftwareX, 2021, 13, 100625.	2.6	1
3	Computational challenges to test and revitalize Claude Lévi-Strauss transformational methodology. Big Data and Society, 2021, 8, 205395172110378.	4.5	2
4	Discrete-Event Simulation-Based Q-Learning Algorithm Applied to Financial Leverage Effect. SN Computer Science, 2020, 1, 1.	3.6	1
5	A Discrete-Event Simulation of Claude Lévi-Strauss' Structural Analysis of Myths Based on Symmetry and Double Twist Transformations. Symmetry, 2020, 12, 1706.	2.2	6
6	Discrete-Event Simulation Model Generation based on Activity Metrics. Simulation Modelling Practice and Theory, 2020, 103, 102122.	3.8	5
7	Smart-Parking: Integration and data management by modeling and simulation using connected objects according to the DEVS formalism. , 2018, , .		1
8	Discrete Event Modeling and Simulation Aspects to Improve Machine Learning Systems. , 2018, , .		1
9	The legacy of Norbert Giambiasi to the University of Corsica: from behavioral testing to DEVS fault simulation. Simulation, 2018, , 003754971877762.	1.8	0
10	DEVS Modeling and Simulation of Financial Leverage Effect Based on Markov Decision Process. , 2018, , .		0
11	DEVS modeling and simulation based on Markov Decision Process of financial leverage effect in the EU development programs. , 2017, , .		1
12	Hierarchical Markov decision process based on DEVS formalism. , 2017, , .		4
13	Generic architecture for interactive mobile simulation of parallel Devs models: A missile defense application. , 2017, , .		1
14	Discrete-event modeling and simulation of ubiquitous systems with DEVSimPy environement and DEVSimPy-mob mobile application. , 2016, , .		1
15	System entity structure extension to integrate abstraction hierarchies and time granularity into DEVS modeling and simulation. Simulation, 2016, 92, 747-769.	1.8	16
16	IoT Efficient Design Using WComp Framework and Discrete Event Modeling and Simulation. Advances in Intelligent Systems and Computing, 2016, , 49-67.	0.6	0
17	Optimization via simulation of catchment basin management using a discrete-event approach. Simulation, 2015, 91, 43-58.	1.8	2
18	Management of Ubiquitous Systems with a Mobile Application Using Discrete Event Simulations. , 2015, , .		1

#	Article	IF	Citations
19	Big Data Decision Making Based on Predictive Data Analysis Using DEVS Simulations. , 2015, , .		1
20	Using Activity Metrics for DEVS Simulation Profiling. ITM Web of Conferences, 2014, 3, 01001.	0.5	1
21	Discrete optimization via simulation of catchment basin management within the devsimpy framework. , 2013, , .		0
22	Wound-Rotor Induction Generator Inter-Turn Short-Circuits Diagnosis Using a New Digital Neural Network. IEEE Transactions on Industrial Electronics, 2013, 60, 4043-4052.	7.9	91
23	Implementation and Analysis of DEVS Activity-Tracking with DEVSimPy. ITM Web of Conferences, 2013, 1, 01001.	0.5	4
24	An efficient architecture of multi-stage neural network for wound-rotor induction generator short-circuit fault classification. , 2012, , .		0
25	DEVSimPy: A Collaborative Python Software for Modeling and Simulation of DEVS Systems. , 2011, , .		28
26	Wound-rotor induction generator short-circuit fault classification using a new neural network based on digital data. , 2011, , .		13
27	Fuzzy inference models for Discrete EVent systems. , 2010, , .		10
28	Inter-turn short circuit fault detection of wound rotor induction machines using Bispectral analysis. , 2010, , .		13
29	Experimental inter-turn short circuit fault characterization of wound rotor induction machines. , 2010, , .		11
30	New trends and solutions for the simulation of electrical circuits using a discrete event approach. , 2009, , .		2
31	Comparative study of two modelling implementation methods of a wound-rotor induction machine: Simulation, fault diagnosis and validation. , 2009, , .		3
32	Double-fed three-phase induction machine model for simulation of inter-turn short circuit fault. , 2009, , .		23
33	Asymmetrical behavior of a double-fed induction generator: Modeling, discrete event simulation and validation. , 2008, , .		5
34	High level testability analysis using VHDL Automatic Test Pattern Generation. , 2008, , .		0
35	Simulation of AC Electrical Machines Behaviour Using Discrete Event System Simulator. , 2007, , .		4
36	BFS-DEVS: A general DEVS-based formalism for behavioral fault simulation. Simulation Modelling Practice and Theory, 2006, 14, 945-970.	3.8	9

#	ARTICLE	IF	CITATIONS
37	A BFS-DEVS Approach for Induction Generator Non Traditional Modelling. , 2006, , .		0
38	Transformation of VHDL descriptions into DEVS models for fault modeling. , 0, , .		1