

Laurent Capocchi

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

268
citations

1684188

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1199594

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38
all docs

38
docs citations

38
times ranked

225
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	DEVSImPy: A Collaborative Python Software for Modeling and Simulation of DEVS Systems. , 2011, , .		28
3	Double-fed three-phase induction machine model for simulation of inter-turn short circuit fault. , 2009, , .		23
4	System entity structure extension to integrate abstraction hierarchies and time granularity into DEVS modeling and simulation. Simulation, 2016, 92, 747-769.	1.8	16
5	Inter-turn short circuit fault detection of wound rotor induction machines using Bispectral analysis. , 2010, , .		13
6	Wound-rotor induction generator short-circuit fault classification using a new neural network based on digital data. , 2011, , .		13
7	Experimental inter-turn short circuit fault characterization of wound rotor induction machines. , 2010, , .		11
8	Fuzzy inference models for Discrete Event systems. , 2010, , .		10
9	BFS-DEVS: A general DEVS-based formalism for behavioral fault simulation. Simulation Modelling Practice and Theory, 2006, 14, 945-970.	3.8	9
10	A Discrete-Event Simulation of Claude L'Ã©vi-Strauss's™ Structural Analysis of Myths Based on Symmetry and Double Twist Transformations. Symmetry, 2020, 12, 1706.	2.2	6
11	Discrete Event Modeling and Simulation for Reinforcement Learning System Design. Information (Switzerland), 2022, 13, 121.	2.9	6
12	Asymmetrical behavior of a double-fed induction generator: Modeling, discrete event simulation and validation. , 2008, , .		5
13	Discrete-Event Simulation Model Generation based on Activity Metrics. Simulation Modelling Practice and Theory, 2020, 103, 102122.	3.8	5
14	Simulation of AC Electrical Machines Behaviour Using Discrete Event System Simulator. , 2007, , .		4
15	Implementation and Analysis of DEVS Activity-Tracking with DEVSImPy. ITM Web of Conferences, 2013, 1, 01001.	0.5	4
16	Hierarchical Markov decision process based on DEVS formalism. , 2017, , .		4
17	Comparative study of two modelling implementation methods of a wound-rotor induction machine: Simulation, fault diagnosis and validation. , 2009, , .		3
18	New trends and solutions for the simulation of electrical circuits using a discrete event approach. , 2009, , .		2

#	ARTICLE	IF	CITATIONS
19	Optimization via simulation of catchment basin management using a discrete-event approach. Simulation, 2015, 91, 43-58.	1.8	2
20	Computational challenges to test and revitalize Claude L'Abbate-Strauss transformational methodology. Big Data and Society, 2021, 8, 205395172110378.	4.5	2
21	Transformation of VHDL descriptions into DEVS models for fault modeling. , 0, , .		1
22	Using Activity Metrics for DEVS Simulation Profiling. ITM Web of Conferences, 2014, 3, 01001.	0.5	1
23	Management of Ubiquitous Systems with a Mobile Application Using Discrete Event Simulations. , 2015, , .		1
24	Big Data Decision Making Based on Predictive Data Analysis Using DEVS Simulations. , 2015, , .		1
25	Discrete-event modeling and simulation of ubiquitous systems with DEVSimPy environnement and DEVSimPy-mob mobile application. , 2016, , .		1
26	DEVS modeling and simulation based on Markov Decision Process of financial leverage effect in the EU development programs. , 2017, , .		1
27	Generic architecture for interactive mobile simulation of parallel Devs models: A missile defense application. , 2017, , .		1
28	Smart-Parking: Integration and data management by modeling and simulation using connected objects according to the DEVS formalism. , 2018, , .		1
29	Discrete Event Modeling and Simulation Aspects to Improve Machine Learning Systems. , 2018, , .		1
30	Discrete-Event Simulation-Based Q-Learning Algorithm Applied to Financial Leverage Effect. SN Computer Science, 2020, 1, 1.	3.6	1
31	A web-based simulation of discrete-event system of system with the mobile application DEVSimPy-mob. SoftwareX, 2021, 13, 100625.	2.6	1
32	A BFS-DEVS Approach for Induction Generator Non Traditional Modelling. , 2006, , .		0
33	High level testability analysis using VHDL Automatic Test Pattern Generation. , 2008, , .		0
34	An efficient architecture of multi-stage neural network for wound-rotor induction generator short-circuit fault classification. , 2012, , .		0
35	Discrete optimization via simulation of catchment basin management within the devsimpy framework. , 2013, , .		0
36	IoT Efficient Design Using WComp Framework and Discrete Event Modeling and Simulation. Advances in Intelligent Systems and Computing, 2016, , 49-67.	0.6	0

#	ARTICLE	IF	CITATIONS
37	The legacy of Norbert Giambiasi to the University of Corsica: from behavioral testing to DEVS fault simulation. Simulation, 2018, , 003754971877762.	1.8	0
38	DEVS Modeling and Simulation of Financial Leverage Effect Based on Markov Decision Process. , 2018, , .		0