

Mireille Bayart

List of Publications by Year in descending order

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46
papers

522
citations

1039880

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839398

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47
all docs

47
docs citations

47
times ranked

342
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust Fuzzy Fault-Tolerant Control of Wind Energy Conversion Systems Subject to Sensor Faults. IEEE Transactions on Sustainable Energy, 2012, 3, 231-241.	5.9	137
2	Models and languages for the interoperability of smart instruments. Automatica, 1996, 32, 859-873.	3.0	77
3	Fault detection and isolation of smart actuators using bond graphs and external models. Control Engineering Practice, 2005, 13, 159-175.	3.2	77
4	Robust nonlinear control of wind energy conversion systems. International Journal of Electrical Power and Energy Systems, 2013, 44, 202-209.	3.3	37
5	Fuzzy Scheduler Fault-Tolerant Control for Wind Energy Conversion Systems. IEEE Transactions on Control Systems Technology, 2014, 22, 119-131.	3.2	34
6	Design of intelligent distributed control systems: a dependability point of view. Reliability Engineering and System Safety, 2004, 84, 19-32.	5.1	30
7	Intelligent Instruments: Some Modelling Approaches. Measurement and Control, 1996, 29, 179-186.	0.9	15
8	ROBUST FUZZY LOGIC CONTROL OF WIND ENERGY CONVERSION SYSTEMS WITH UNKNOWN INPUTS. International Journal of Power and Energy Systems, 2012, 32, .	0.2	10
9	External model and SyncCharts description of an automobile cruise control system. Control Engineering Practice, 1999, 7, 1259-1267.	3.2	9
10	Cyber-Attack Detection with Fault Accommodation Based on Intelligent Generalized Predictive Control. IFAC-PapersOnLine, 2017, 50, 2601-2608.	0.5	9
11	A Model-Free Approach to Networked Control System with Time-Varying Communication Delay. IFAC-PapersOnLine, 2018, 51, 558-563.	0.5	9
12	A self-updating model for analysing system reconfigurability. Engineering Applications of Artificial Intelligence, 2012, 25, 20-30.	4.3	8
13	Model Aggregation for Reconfigurable Control Based on Generic Component Model. , 2006, , .		6
14	A formal framework of reconfigurable control based on model checking. , 2008, , .		6
15	Attack-Tolerant networked control system based on the deception for the cyber-attacks. , 2015, , .		6
16	Smart devices for manufacturing equipment. Robotica, 2003, 21, 325-333.	1.3	5
17	An extended qualitative multi-faults diagnosis from first principles I: Theory and modelling. , 2009, , .		5
18	Nonlinear parity space applied to an electric autonomous vehicle. , 2009, , .		5

#	ARTICLE	IF	CITATIONS
19	Robust control of wind energy conversion systems. , 2011, , .		5
20	An extended qualitative multi-faults diagnosis from first principles II: Algorithm and case study. , 2009, , .		4
21	Road Connectivity-based Routing for Vehicular Ad Hoc Networks. , 2010, , .		4
22	Design of safe control system thanks to a combinatorial optimization. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 387-392.	0.4	3
23	Towards distinguishing between faults and cyber-attacks in the networked control system. , 2016, , .		3
24	Intelligent Generalized Predictive Control strategy for Networked Control System with an internal cyber-attack detector. , 2016, , .		3
25	Sensor and actuator placement with dependability constraints and a cost criterion. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 414-419.	0.4	2
26	Instrumentation for electrical vehicle model on road slope using structural analysis. , 2012, , .		2
27	Attack-tolerant networked control system in presence of the controller hijacking attack. , 2016, , .		2
28	Attack-tolerant networked control system: an approach for detection the controller stealthy hijacking attack. Journal of Physics: Conference Series, 2017, 783, 012022.	0.3	2
29	Cyber-attack detection in the networked control system with faulty plant. , 2017, , .		2
30	A STATE-BASED APPROACH FOR DECENTRALIZED FAULT DIAGNOSIS IN DISCRETE-EVENT SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 142-147.	0.4	1
31	A Merge Method for Decentralized Discrete-Event Fault Diagnosis. , 2008, , .		1
32	Relation between global diagnosis and diagnoses obtained from subsystems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 379-384.	0.4	1
33	Design of control architecture based search algorithm for fault-tolerant control system. , 2013, , .		1
34	Synthesis of model-free control for system with time-varying communication delay. , 2018, , .		1
35	Application of an External Model Following by a Synchronous Computation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 291-296.	0.4	0
36	Behavioural Validation from a Formal Specification of Smart Equipment. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 158-163.	0.4	0

#	ARTICLE	IF	CITATIONS
37	Automation System Design Through Cost Optimisation Under Dependability Constraints. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 61-66.	0.4	0
38	Is it possible to follow a vehicle using just one camera?. International Journal of Vehicle Design, 2008, 48, 316.	0.1	0
39	Distribution diagnosis of networked embedded system. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 6827-6832.	0.4	0
40	Fault Tolerant Control of Wind Energy Conversion Systems Subject to Sensor Faults. Smart Innovation, Systems and Technologies, 2012, , 503-515.	0.5	0
41	Design methodology of a reliable control system using a structural analysis approach. International Journal of Systems Science: Operations and Logistics, 2016, 3, 129-137.	2.0	0
42	A Fuzzy Approach for Sensor Fault-Tolerant Control of wind energy conversion Systems. , 2011, , .		0
43	Fault-tolerant Data-fusion Method: Application on Platoon Vehicle Localization. , 0, , 21-59.		0
44	Control and Reconfiguration of Train of Autonomous Electric Vehicles. Journal of Asian Electric Vehicles, 2012, 10, 1543-1551.	0.4	0
45	ICVSS: A New Methodology for Scoring Industrial Control Systems Vulnerabilities. , 2019, , .		0
46	An Intelligent Automatic Irrigation System for Arid Region. Lecture Notes in Networks and Systems, 2020, , 219-229.	0.5	0