Marcos Moreira

List of Publications by Year
in descending order

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61 papers	996 citations	394421 19 h-index	454955 30 g-index
61 all docs	61 docs citations	61 times ranked	389 citing authors

#	Article	IF	Citations
1	Security of Cyber-Physical Systems: Design of a Security Supervisor to Thwart Attacks. IEEE Transactions on Automation Science and Engineering, 2022, 19, 2030-2041.	5.2	9
2	An effective approach for fault diagnosis of Discrete-Event Systems modeled as safe labeled Petri nets. Control Engineering Practice, 2022, 123, 105168.	5.5	4
3	K-loss robust codiagnosability of Discrete-Event Systems. Automatica, 2022, 140, 110222.	5.0	5
4	Robust supervisory control of discrete event systems against intermittent loss of observations. International Journal of Control, 2021, 94, 2008-2020.	1.9	15
5	Comparative analysis of related notions of robust diagnosability of Discrete-Event Systems. Annual Reviews in Control, 2021, 51, 23-36.	7.9	9
6	Distributed synchronous diagnosis of discrete event systems modeled as automata. Control Engineering Practice, 2021, 115, 104892.	5.5	6
7	Fault detection of Discrete-Event Systems based on an identified timed model. Control Engineering Practice, 2020, 105, 104638.	5.5	11
8	Synchronous Diagnosis of Discrete-Event Systems. IEEE Transactions on Automation Science and Engineering, 2020, 17, 921-932.	5.2	21
9	K-Loss Robust Diagnosability of Discrete-Event Systems. IFAC-PapersOnLine, 2020, 53, 250-255.	0.9	2
10	A hierarchical approach for discrete-event model identification incorporating expert knowledge. IFAC-PapersOnLine, 2020, 53, 275-281.	0.9	1
11	CONFIDENTIALITY OF CYBER-PHYSICAL SYSTEMS USING EVENT-BASED CRYPTOGRAPHY. IFAC-PapersOnLine, 2020, 53, 1735-1740.	0.9	4
12	A timed model for discrete event system identification and fault detection. IFAC-PapersOnLine, 2020, 53, 808-813.	0.9	2
13	Diagnosability of Hybrid Systems. IEEE Transactions on Control Systems Technology, 2019, 27, 386-393.	5.2	9
14	Fault diagnosis based on identified discrete-event models. Control Engineering Practice, 2019, 91, 104101.	5.5	22
15	Discrete event system identification with the aim of fault detection. Discrete Event Dynamic Systems: Theory and Applications, 2019, 29, 191-209.	1.5	16
16	Codiagnosability Analysis of Discrete-Event Systems Modeled by Weighted Automata. IEEE Transactions on Automatic Control, 2019, 64, 4361-4368.	5.7	23
17	Security Against Communication Network Attacks of Cyber-Physical Systems. Journal of Control, Automation and Electrical Systems, 2019, 30, 125-135.	2.0	44
18	Codiagnosability of networked discrete event systems subject to communication delays and intermittent loss of observation. Discrete Event Dynamic Systems: Theory and Applications, 2018, 28, 215-246.	1.5	39

#	Article	IF	Citations
19	Distributed Synchronous Diagnosability of Discrete-Event Systems. IFAC-PapersOnLine, 2018, 51, 88-93.	0.9	1
20	Enhanced discrete event model for system identification with the aim of fault detection. IFAC-PapersOnLine, 2018, 51, 160-166.	0.9	1
21	Detectable and Undetectable Network Attack Security of Cyber-physical Systems. IFAC-PapersOnLine, 2018, 51, 179-185.	0.9	36
22	Computation of minimal diagnosis bases of Discrete-Event Systems using verifiers. Automatica, 2017, 77, 93-102.	5.0	24
23	Diagnosability of intermittent sensor faults in discrete event systems. Automatica, 2017, 79, 315-325.	5.0	34
24	Robust Disjunctive-Codiagnosability of Discrete-Event Systems Against Permanent Loss of Observations. IEEE Transactions on Automatic Control, 2017, 62, 5808-5815.	5.7	22
25	Security Against Network Attacks in Supervisory Control Systems. IFAC-PapersOnLine, 2017, 50, 12333-12338.	0.9	39
26	Synchronous Codiagnosability of Modular Discrete-Event Systems * *This work was partially supported by the Brazilian Research Council CNPq.. IFAC-PapersOnLine, 2017, 50, 6831-6836.	0.9	2
27	Conditional Synchronized Diagnoser for Modular Discrete-event Systems. , 2017, , .		1
28	Network codiagnosability of Discrete-Event Systems subject to event communication delays. , 2016, , .		5
29	â€œPolynomial Time Verification of Decentralized Diagnosability of Discrete Event Systemsâ€•Versus â€œDecentralized Failure Diagnosis of Discrete Event Systemsâ€: A Critical Appraisal. IEEE Transactions on Automatic Control, 2016, 61, 178-181.	5.7	23
30	Online fault diagnosis of modular discrete-event systems. , 2015, , .		6
31	Robust codiagnosability of discrete-event systems against permanent loss of observations. , 2015, , .		1
32	Computation of the maximum time for failure diagnosis of discrete-event systems. , 2015, , .		6
33	Computational methods for diagnosability verification of hybrid systems. , 2015, , .		3
34	A Petri Net Diagnoser for Discrete Event Systems Modeled by Finite State Automata. IEEE Transactions on Automatic Control, 2015, 60, 59-71.	5.7	43
35	Analysis and verification of the diagnosability of Hybrid Systems. , 2014, , .		5
36	Bridging the Gap Between Design and Implementation of Discrete-Event Controllers. IEEE Transactions on Automation Science and Engineering, 2014, 11, 48-65.	5.2	22

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37	Robust Supervisory Control Against Intermittent Loss of Observations. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 294-299.	0.4	25
38	Computation of minimal diagnosis bases of Discrete-Event Systems using verifiers: Method of the ambiguous cyclic paths. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 440-445.	0.4	1
39	Robust diagnosis of discrete-event systems against permanent loss of observations. Automatica, 2013, 49, 223-231.	5.0	55
40	Diagnosability of intermittent sensor faults in discrete event systems. , 2013, , .		6
41	Petri net diagnoser for DES modeled by finite state automata. , 2012, , .		1
42	Robust diagnosis of discrete event systems against intermittent loss of observations. Automatica, 2012, 48, 2068-2078.	5.0	97
43	Computation of minimal event bases that ensure diagnosability. Discrete Event Dynamic Systems: Theory and Applications, 2012, 22, 249-292.	1.5	36
44	Fair and Square Computation of Inverse $ {cal Z}$-Transforms of Rational Functions. IEEE Transactions on Education, 2012, 55, 285-290.	2.4	2
45	Polynomial Time Verification of Decentralized Diagnosability of Discrete Event Systems. IEEE Transactions on Automatic Control, 2011, 56, 1679-1684.	5.7	119
46	Generalized Robust Diagnosability of Discrete Event Systems*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 8737-8742.	0.4	14
47	Robust diagnosability of discrete event systems subject to intermittent sensor failures. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 84-89.	0.4	11
48	Robust diagnosis of discrete-event systems subject to permanent sensor failures. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 90-97.	0.4	14
49	Characteristic locus method robustness improvement through optimal static normalizing preâ€compensation. International Journal of Robust and Nonlinear Control, 2010, 20, 371-386.	3.7	4
50	Polynomial time verification of decentralized diagnosability of discrete event systems. , 2010, , .		4
51	Diagnose de falhas em sistemas a eventos discretos modelados por autÃ´matos finitos. Controle and Automacao, 2010, 21, 510-533.	0.2	0
52	A practical model for evaluating the performance of proton exchange membrane fuel cells. Renewable Energy, 2009, 34, 1734-1741.	8.9	80
53	Ladder diagram implementation of Control Interpreted Petri Nets: a state equation approach. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 78-83.	0.4	6
54	Static normalizing pre-compensator: The first step for addressing robustness in the design of multivariable controllers using the Characteristic Locus Method. , 2007, , .		0

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55	Rational stabilising commutative controllers: parameterisation and characterisation of degrees of freedom. International Journal of Control, 2006, 79, 1601-1612.	1.9	4
56	Controladores robustos H<FONT FACE=Symbol>Â¥</FONT> nÃ£o frÃ¡geis. Controle and Automacao, 2004, 15, 231-242.	0.2	0
57	Reduction of Diagnosers for Discrete-Event Systems. Journal of Control, Automation and Electrical Systems, 0, , 1.	2.0	0
58	ReduÃ§Ã£o de Diagnosticadores de Sistemas a Eventos Discretos. , 0, , .		1
59	Networked Automation Systems: a new cryptographic scheme. , 0, , .		0
60	Optimal selection of subsystems for synchronous diagnosis. , 0, , .		0
61	An Efficient Algorithm for the Verification of Codiagnosability of Discrete Event Systems With Dynamic Observations. Journal of Control, Automation and Electrical Systems, 0, , 1.	2.0	0