Lilian K Carvalho

List of Publications by Year
in descending order

34 papers	747 citations	687220 13 h-index	580701 25 g-index
34 all docs	34 docs citations	34 times ranked	298 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.	3.4	9
2	Diagnosability verification using LTL model checking. Discrete Event Dynamic Systems: Theory and Applications, 2022, 32, 399-433.	0.6	2
3	Robust decentralized diagnosability of networked discrete event systems against DoS and deception attacks. Nonlinear Analysis: Hybrid Systems, 2022, 44, 101162.	2.1	8
4	Supervisory Control of Networked Discrete Event Systems With Timing Structure. IEEE Transactions on Automatic Control, 2021, 66, 2206-2218.	3.6	13
5	Robust supervisory control of discrete event systems against intermittent loss of observations. International Journal of Control, 2021, 94, 2008-2020.	1.2	15
6	Comparative analysis of related notions of robust diagnosability of Discrete-Event Systems. Annual Reviews in Control, 2021, 51, 23-36.	4.4	9
7	Online fault diagnosis for smart machines embedded in Industry 4.0 manufacturing systems: A labeled Petri net-based approach. IFAC Journal of Systems and Control, 2021, 16, 100146.	1.1	6
8	Is LTL model-checking effective for Diagnosability Verification?. IFAC-PapersOnLine, 2020, 53, 256-262.	0.5	1
9	CONFIDENTIALITY OF CYBER-PHYSICAL SYSTEMS USING EVENT-BASED CRYPTOGRAPHY. IFAC-PapersOnLine, 2020, 53, 1735-1740.	0.5	4
10	Security Against Communication Network Attacks of Cyber-Physical Systems. Journal of Control, Automation and Electrical Systems, 2019, 30, 125-135.	1.2	44
11	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.	0.6	39
12	Supervisory Control-Based Navigation Architecture: A New Framework for Autonomous Robots in Industry 4.0 Environments. IEEE Transactions on Industrial Informatics, 2018, 14, 1732-1743.	7.2	80
13	Detectable and Undetectable Network Attack Security of Cyber-physical Systems. IFAC-PapersOnLine, 2018, 51, 179-185.	0.5	36
14	Detection and mitigation of classes of attacks in supervisory control systems. Automatica, 2018, 97, 121-133.	3.0	107
15	Diagnosability of intermittent sensor faults in discrete event systems. Automatica, 2017, 79, 315-325.	3.0	34
16	New Algorithms for Verification of Relative Observability and Computation of Supremal Relatively Observable Sublanguage. IEEE Transactions on Automatic Control, 2017, 62, 5902-5908.	3.6	11
17	Robust Disjunctive-Codiagnosability of Discrete-Event Systems Against Permanent Loss of Observations. IEEE Transactions on Automatic Control, 2017, 62, 5808-5815.	3.6	22
18	Security Against Network Attacks in Supervisory Control Systems. IFAC-PapersOnLine, 2017, 50, 12333-12338.	0.5	39

#	Article	IF	Citations
19	Diagnosability and online diagnosis of discrete-event systems modeled by acyclic labeled Petri nets. IFAC-PapersOnLine, 2017, 50, 13630-13635.	0.5	2
20	Supervisory control of timed networked discrete event systems. , 2017, , .		14
21	Detection and prevention of actuator enablement attacks in supervisory control systems. , 2016, , .		32
22	A stochastic Petri net model for simulation-based performance analysis of public bicycle sharing systems. , 2016, , .		3
23	Robust codiagnosability of discrete-event systems against permanent loss of observations. , 2015, , .		1
24	Robust Supervisory Control Against Intermittent Loss of Observations. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 294-299.	0.4	25
25	Robust diagnosis of discrete-event systems against permanent loss of observations. Automatica, 2013, 49, 223-231.	3.0	55
26	Diagnosability of intermittent sensor faults in discrete event systems. , 2013, , .		6
27	DESLAB: A scientific computing program for analysis and synthesis of discrete-event systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 349-355.	0.4	7
28	Robust diagnosis of discrete event systems against intermittent loss of observations. Automatica, 2012, 48, 2068-2078.	3.0	97
29	Generalized Robust Diagnosability of Discrete Event Systems*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 8737-8742.	0.4	14
30	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
31	Diagnose de falhas em sistemas a eventos discretos modelados por autômatos finitos. Controle and Automacao, 2010, 21, 510-533.	0.2	0
32	Celebrating 45 Years of the Brazilian Society of Automatics. Journal of Control, Automation and Electrical Systems, 0, , 1.	1.2	0
33	Decentralized Diagnosis of Networked Discrete Event Systems Subject to Denial of Service Attacks. , 0, , .		1
34	Networked Automation Systems: a new cryptographic scheme. , 0, , .		0