

# Stphane Lafortune

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

198  
papers

4,403  
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30  
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60  
g-index

207  
ext. papers

5,357  
ext. citations

3  
avg, IF

6.13  
L-index

#	Paper	IF	Citations
198	Introduction to Discrete Event Systems. <i>The Kluwer International Series on Discrete Event Dynamic Systems</i> , <b>1999</b> ,		828
197	Coordinated Decentralized Protocols for Failure Diagnosis of Discrete Event Systems. <i>Discrete Event Dynamic Systems: Theory and Applications</i> , <b>2000</b> , 10, 33-86	1	279
196	A General Architecture for Decentralized Supervisory Control of Discrete-Event Systems. <i>Discrete Event Dynamic Systems: Theory and Applications</i> , <b>2002</b> , 12, 335-377	1	143
195	Comparative analysis of related notions of opacity in centralized and coordinated architectures. <i>Discrete Event Dynamic Systems: Theory and Applications</i> , <b>2013</b> , 23, 307-339	1	101
194	Diagnosis of Discrete Event Systems Using Decentralized Architectures. <i>Discrete Event Dynamic Systems: Theory and Applications</i> , <b>2007</b> , 17, 233-263	1	99
193	Active fault tolerant control of discrete event systems using online diagnostics. <i>Automatica</i> , <b>2011</b> , 47, 639-649	5.7	92
192	. <i>IEEE Transactions on Automatic Control</i> , <b>2016</b> , 61, 2140-2154	5.9	85
191	Safe diagnosability for fault-tolerant supervision of discrete-event systems. <i>Automatica</i> , <b>2005</b> , 41, 1335-1347	5.7	82
190	Predictability of event occurrences in partially-observed discrete-event systems. <i>Automatica</i> , <b>2009</b> , 45, 301-311	5.7	79
189	Diagnosis of Intermittent Faults. <i>Discrete Event Dynamic Systems: Theory and Applications</i> , <b>2004</b> , 14, 171-202		72
188	Synthesis of insertion functions for enforcement of opacity security properties. <i>Automatica</i> , <b>2014</b> , 50, 1336-1348	5.7	71
187	Designing Compact and Maximally Permissive Deadlock Avoidance Policies for Complex Resource Allocation Systems Through Classification Theory: The Linear Case. <i>IEEE Transactions on Automatic Control</i> , <b>2011</b> , 56, 1818-1833	5.9	71
186	On the history of diagnosability and opacity in discrete event systems. <i>Annual Reviews in Control</i> , <b>2018</b> , 45, 257-266	10.3	68
185	Detection and mitigation of classes of attacks in supervisory control systems. <i>Automatica</i> , <b>2018</b> , 97, 121-133	5.7	64
184	A new approach for the verification of infinite-step and K-step opacity using two-way observers. <i>Automatica</i> , <b>2017</b> , 80, 162-171	5.7	63
183	Centralized and distributed algorithms for on-line synthesis of maximal control policies under partial observation. <i>Discrete Event Dynamic Systems: Theory and Applications</i> , <b>1996</b> , 6, 379-427	1	61
182	An Optimal Control Theory for Discrete Event Systems. <i>SIAM Journal on Control and Optimization</i> , <b>1998</b> , 36, 488-541	1.9	60

181	Diagnosability of Discrete Event Systems with Modular Structure. <i>Discrete Event Dynamic Systems: Theory and Applications</i> , <b>2006</b> , 16, 9-37	1	58
180	Synthesis of Maximally Permissive Supervisors for Partially-Observed Discrete-Event Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2016</b> , 61, 1239-1254	5.9	57
179	Bisimulation, the Supervisory Control Problem and Strong Model Matching for Finite State Machines. <i>Discrete Event Dynamic Systems: Theory and Applications</i> , <b>1998</b> , 8, 377-429	1	56
178	On an Optimization Problem in Sensor Selection*. <i>Discrete Event Dynamic Systems: Theory and Applications</i> , <b>2002</b> , 12, 417-445	1	48
177	An algorithm for calculating indistinguishable states and clusters in finite-state automata with partially observable transitions. <i>Systems and Control Letters</i> , <b>2007</b> , 56, 656-661	2.4	44
176	Distributed Diagnosis of Discrete-Event Systems Using Petri Nets. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 316-336	0.9	43
175	. <i>IEEE Transactions on Automatic Control</i> , <b>2011</b> , 56, 1551-1566	5.9	42
174	Stealthy deception attacks for cyber-physical systems <b>2017</b> ,		40
173	Robust diagnosis of discrete-event systems against permanent loss of observations. <i>Automatica</i> , <b>2013</b> , 49, 223-231	5.7	38
172	Optimal sensor activation for diagnosing discrete event systems. <i>Automatica</i> , <b>2010</b> , 46, 1165-1175	5.7	38
171	The theory of deadlock avoidance via discrete control <b>2008</b> ,		33
170	A state transition model for distributed query processing. <i>ACM Transactions on Database Systems</i> , <b>1986</b> , 11, 294-322	1.6	32
169	Verification of Nonconflict of Supervisors Using Abstractions. <i>IEEE Transactions on Automatic Control</i> , <b>2009</b> , 54, 2803-2815	5.9	31
168	Codiagnosability and coobservability under dynamic observations: Transformation and verification. <i>Automatica</i> , <b>2015</b> , 61, 241-252	5.7	30
167	Computation of minimal event bases that ensure diagnosability. <i>Discrete Event Dynamic Systems: Theory and Applications</i> , <b>2012</b> , 22, 249-292	1	30
166	. <i>IEEE Transactions on Automatic Control</i> , <b>2010</b> , 55, 2447-2461	5.9	30
165	<b>2009</b> ,		30
164	Eliminating Concurrency Bugs with Control Engineering. <i>Computer</i> , <b>2009</b> , 42, 52-60	1.6	30

163	Supervisory control and reactive synthesis: a comparative introduction. <i>Discrete Event Dynamic Systems: Theory and Applications</i> , <b>2017</b> , 27, 209-260	1	29
162	On the Decidability and Complexity of Diagnosability for Labeled Petri Nets. <i>IEEE Transactions on Automatic Control</i> , <b>2017</b> , 62, 5931-5938	5.9	28
161	On the Effect of Communication Delays in Failure Diagnosis of Decentralized Discrete Event Systems. <i>Discrete Event Dynamic Systems: Theory and Applications</i> , <b>2003</b> , 13, 263-289	1	28
160	Supervisory control using variable lookahead policies. <i>Discrete Event Dynamic Systems: Theory and Applications</i> , <b>1994</b> , 4, 237-268	1	28
159	Enforcement of opacity by public and private insertion functions. <i>Automatica</i> , <b>2018</b> , 93, 369-378	5.7	27
158	Enforcing opacity by insertion functions under multiple energy constraints. <i>Automatica</i> , <b>2019</b> , 108, 1084-1096	5.7	27
157	Diagnosability analysis of unbounded Petri nets <b>2009</b> ,		26
156	On tolerable and desirable behaviors in supervisory control of discrete event systems. <i>Discrete Event Dynamic Systems: Theory and Applications</i> , <b>1991</b> , 1, 61-92	1	26
155	Synthesis of Maximally-Permissive Supervisors for the Range Control Problem. <i>IEEE Transactions on Automatic Control</i> , <b>2017</b> , 62, 3914-3929	5.9	25
154	Opacity Enforcement Using Nondeterministic Publicly Known Edit Functions. <i>IEEE Transactions on Automatic Control</i> , <b>2019</b> , 64, 4369-4376	5.9	25
153	Predictability of Sequence Patterns in Discrete Event Systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2008</b> , 41, 537-543		25
152	Introduction to the Modelling, Control and Optimization of Discrete Event Systems <b>1995</b> , 217-291		25
151	Eliminating Concurrency Bugs in Multithreaded Software: A New Approach Based on Discrete-Event Control. <i>IEEE Transactions on Control Systems Technology</i> , <b>2013</b> , 21, 2067-2082	4.8	24
150	Concurrency bugs in multithreaded software: modeling and analysis using Petri nets. <i>Discrete Event Dynamic Systems: Theory and Applications</i> , <b>2013</b> , 23, 157-195	1	23
149	The theory of deadlock avoidance via discrete control. <i>ACM SIGPLAN Notices</i> , <b>2009</b> , 44, 252-263	0.2	23
148	Minimization of Communication of Event Occurrences in Acyclic Discrete Event Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2008</b> , 53, 2197-2202	5.9	23
147	<b>2016</b> ,		22
146	On the Minimization of Communication in Networked Systems with a Central Station. <i>Discrete Event Dynamic Systems: Theory and Applications</i> , <b>2008</b> , 18, 415-443	1	21

145	Synthesis of Optimal Insertion Functions for Opacity Enforcement. <i>IEEE Transactions on Automatic Control</i> , <b>2016</b> , 61, 571-584	5.9	19
144	Optimal Liveness-Enforcing Control for a Class of Petri Nets Arising in Multithreaded Software. <i>IEEE Transactions on Automatic Control</i> , <b>2013</b> , 58, 1123-1138	5.9	19
143	Verification complexity of a class of observational properties for modular discrete events systems. <i>Automatica</i> , <b>2017</b> , 83, 199-205	5.7	19
142	Diagnosability Analysis of a Class of Hierarchical State Machines. <i>Discrete Event Dynamic Systems: Theory and Applications</i> , <b>2008</b> , 18, 385-413	1	19
141	Minimal Communication for Essential Transitions in a Distributed Discrete-Event System. <i>IEEE Transactions on Automatic Control</i> , <b>2007</b> , 52, 1495-1502	5.9	18
140	Synthesis of sensor deception attacks at the supervisory layer of CyberPhysical Systems. <i>Automatica</i> , <b>2020</b> , 121, 109172	5.7	18
139	<b>2009</b> ,		17
138	Ensuring Privacy in Location-Based Services: An Approach Based on Opacity Enforcement. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2014</b> , 47, 33-38		16
137	High Lewis Number Combustion Wavefronts: A Perturbative Melnikov Analysis. <i>SIAM Journal on Applied Mathematics</i> , <b>2007</b> , 67, 464-486	1.8	16
136	Synthesis of Obfuscation Policies to Ensure Privacy and Utility. <i>Journal of Automated Reasoning</i> , <b>2018</b> , 60, 107-131	1	16
135	On Most Permissive Observers in Dynamic Sensor Activation Problems. <i>IEEE Transactions on Automatic Control</i> , <b>2014</b> , 59, 966-981	5.9	15
134	<b>2013</b> ,		15
133	On optimal control of a class of partially observed discrete event systems. <i>Automatica</i> , <b>2002</b> , 38, 1935-1943	5.7	15
132	PSPACE-completeness of Modular Supervisory Control Problems*. <i>Discrete Event Dynamic Systems: Theory and Applications</i> , <b>2005</b> , 15, 145-167	1	15
131	A graph-theoretic optimal control problem for terminating discrete event processes. <i>Discrete Event Dynamic Systems: Theory and Applications</i> , <b>1992</b> , 2, 139-172	1	15
130	A general approach for optimizing dynamic sensor activation for discrete event systems. <i>Automatica</i> , <b>2019</b> , 105, 376-383	5.7	14
129	Optimal sensor selection for ensuring diagnosability in labeled Petri nets. <i>Automatica</i> , <b>2013</b> , 49, 2373-2383	5.7	14
128	The Verification and Control of Interacting Similar Discrete-Event Systems. <i>SIAM Journal on Control and Optimization</i> , <b>2006</b> , 45, 634-667	1.9	14

127	On nonconflicting languages that arise in supervisory control of discrete event systems. <i>Systems and Control Letters</i> , <b>1991</b> , 17, 105-113	2.4	14
126	Recursive computation of limited lookahead supervisory controls for discrete event systems. <i>Discrete Event Dynamic Systems: Theory and Applications</i> , <b>1993</b> , 3, 71-100	1	14
125	A general approach for solving dynamic sensor activation problems for a class of properties <b>2015</b> ,		13
124	Discrete control for safe execution of IT automation workflows <b>2007</b> ,		13
123	Solvability of Centralized Supervisory Control Under Partial Observation. <i>Discrete Event Dynamic Systems: Theory and Applications</i> , <b>2006</b> , 16, 527-553	1	13
122	Synthesis of Sensor Deception Attacks for Systems Modeled as Probabilistic Automata <b>2019</b> ,		13
121	Discrete Event Systems: Modeling, Observation, and Control. <i>Annual Review of Control, Robotics, and Autonomous Systems</i> , <b>2019</b> , 2, 141-159	11.8	13
120	Adaptive Look-ahead Optimization of Traffic Signals* Research supported in part by the Rackham Merit Fellowship Program, and by the University of Michigan Research Center of Excellence in Intelligent Transportation Systems funded by FHWA and industrial affiliates. <i>Journal of Intelligent Transportation Systems</i> , <b>1999</b> , 4, 209-254		12
119	Compositional and Abstraction-Based Approach for Synthesis of Edit Functions for Opacity Enforcement. <i>IEEE Transactions on Automatic Control</i> , <b>2020</b> , 65, 3349-3364	5.9	11
118	Bridging the Gap between Supervisory Control and Reactive Synthesis: Case of Full Observation and Centralized Control. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2014</b> , 47, 222-227		11
117	A new approach for synthesizing opacity-enforcing supervisors for partially-observed discrete-event systems <b>2015</b> ,		11
116	Supervisory control for collision avoidance in vehicular networks using discrete event abstractions <b>2013</b> ,		11
115	Squared eigenfunctions and linear stability properties of closed vortex filaments. <i>Nonlinearity</i> , <b>2011</b> , 24, 3555-3583	1.7	11
114	Enforcement of opacity properties using insertion functions <b>2012</b> ,		11
113	Dynamic system-optimal traffic assignment using a state space model. <i>Transportation Research Part B: Methodological</i> , <b>1993</b> , 27, 451-472	7.2	11
112	Towards resilient supervisors against sensor deception attacks <b>2019</b> ,		11
111	Supervisory control for collision avoidance in vehicular networks using discrete event abstractions. <i>Discrete Event Dynamic Systems: Theory and Applications</i> , <b>2017</b> , 27, 1-44	1	10
110	Minimization of Sensor Activation in Decentralized Discrete-Event Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2018</b> , 63, 3705-3718	5.9	10

109	Synthesis of maximally permissive non-blocking supervisors for partially observed discrete event systems <b>2014</b> ,		10
108	Design of fault trees as a practical method for risk analysis of CCS: Application to the different life stages of deep aquifer storage, combining long-term and short-term issues. <i>Energy Procedia</i> , <b>2011</b> , 4, 4193-4198	2.3	10
107	Supervisory Control of Software Execution for Failure Avoidance: Experience from the Gadara Project. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2010</b> , 43, 259-266		10
106	PREDICTABILITY IN DISCRETE-EVENT SYSTEMS UNDER PARTIAL OBSERVATION 1. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2006</b> , 39, 1461-1466		10
105	Transforming Opacity Verification to Nonblocking Verification in Modular Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2020</b> , 65, 1739-1746	5.9	10
104	Synthesis of Supervisors Robust Against Sensor Deception Attacks. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 66, 4990-4997	5.9	10
103	Obfuscator Synthesis for Privacy and Utility. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 133-149	0.9	9
102	Modular Supervisory Control with Equivalence-Based Abstraction and Covering-Based Conflict Resolution. <i>Discrete Event Dynamic Systems: Theory and Applications</i> , <b>2010</b> , 20, 139-185	1	9
101	Polynomial-time verification of the observer property in abstractions <b>2008</b> ,		9
100	A fault tolerant architecture for supervisory control of discrete event systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2008</b> , 41, 6542-6547		9
99	A DISTRIBUTED ALGORITHM FOR ON-LINE DIAGNOSIS OF PLACE-BORDERED PETRI NETS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2005</b> , 38, 68-73		9
98	Superposition formulas for pseudounitary matrix Riccati equations. <i>Journal of Mathematical Physics</i> , <b>1996</b> , 37, 1539-1550	1.2	9
97	A General Architecture for Decentralized Supervisory Control of Discrete-Event Systems <b>2000</b> , 111-118		9
96	An online algorithm for minimal sensor activation in discrete event systems <b>2009</b> ,		8
95	Optimal sensor activation in controlled discrete event systems <b>2008</b> ,		8
94	When is negativity not a problem for the ultradiscrete limit?. <i>Journal of Mathematical Physics</i> , <b>2006</b> , 47, 103510	1.2	8
93	The Dynamics of Stretchable Rods in the Inertial Case. <i>Nonlinear Dynamics</i> , <b>2006</b> , 43, 173-195	5	8
92	On Decentralized and Distributed Control of Partially-Observed Discrete Event Systems <b>2007</b> , 171-184		8

91	Synthesis of Maximally Permissive Nonblocking Supervisors for the Lower Bound Containment Problem. <i>IEEE Transactions on Automatic Control</i> , <b>2018</b> , 63, 4435-4441	5.9	7
90	Verification of the Observer Property in Discrete Event Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2014</b> , 59, 2176-2181	5.9	7
89	Enforcing opacity by publicly known edit functions <b>2017</b> ,		7
88	Synthesis of maximally-permissive liveness-enforcing control policies for Gadara petri nets <b>2010</b> ,		7
87	On the Computation of Supremal Sublanguages Relevant to Supervisory Control. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2012</b> , 45, 175-180		7
86	Diagnosis of modular discrete event systems 1. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2004</b> , 37, 327-332		7
85	Insertion Functions with Memory for Opacity Enforcement. <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 394-399	0.7	7
84	Decentralized Supervisory Control With Intersection-Based Architecture. <i>IEEE Transactions on Automatic Control</i> , <b>2016</b> , 61, 3644-3650	5.9	6
83	<b>2008</b> ,		6
82	New Results on Testing Modularity of Local Supervisors using Abstractions <b>2006</b> ,		6
81	SAT-Based Control of Concurrent Software for Deadlock Avoidance. <i>IEEE Transactions on Automatic Control</i> , <b>2015</b> , 60, 3269-3274	5.9	5
80	A General Approach for Synthesis of Supervisors for Partially-Observed Discrete-Event Systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2014</b> , 47, 2422-2428		5
79	Synthesis of opacity-enforcing insertion functions that can be publicly known <b>2015</b> ,		5
78	Deadlock-avoidance control of multithreaded software: An efficient siphon-based algorithm for Gadara petri nets <b>2011</b> ,		5
77	Explicit Storage and Analysis of Billions of States using Commodity Computers. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2012</b> , 45, 364-371		5
76	Optimal deadlock avoidance for complex resource allocation systems through classification theory. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2010</b> , 43, 267-274		5
75	Efficient Synthesis of Sensor Deception Attacks Using Observation Equivalence-Based Abstraction. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 28-34	0.7	5
74	Optimal supervisory control with mean payoff objectives and under partial observation. <i>Automatica</i> , <b>2021</b> , 123, 109359	5.7	5



73	. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 66, 4184-4191	5.9	5
72	Mean Payoff Supervisory Control Under Partial Observation <b>2018</b> ,		5
71	Opacity Enforcement by Insertion Functions under Energy Constraints. <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 291-297	0.7	5
70	Incorporating automation logic in online chemical production scheduling. <i>Computers and Chemical Engineering</i> , <b>2019</b> , 128, 201-215	4	4
69	Enhancing opacity of stochastic discrete event systems using insertion functions <b>2016</b> ,		4
68	<b>2017</b> ,		4
67	The application of supervisory control to deadlock avoidance in concurrent software <b>2008</b> ,		4
66	On the Synthesis of Optimal Schedulers in Discrete Event Control Problems with Multiple Goals. <i>SIAM Journal on Control and Optimization</i> , <b>2000</b> , 39, 512-532	1.9	4
65	A Dynamical System Model for Traffic Assignment in Networks <b>1991</b> ,		4
64	A Relational Algebraic Approach to the Representation and Analysis of Discrete Event Systems <b>1991</b> ,		4
63	Supervisory Control under Local Mean Payoff Constraints <b>2019</b> ,		4
62	Efficient Synthesis of Edit Functions for Opacity Enforcement Using Bisimulation-Based Abstractions <b>2018</b> ,		4
61	Matrix integral solutions to the discrete KP hierarchy and its Pfaffianized version. <i>Journal of Physics A: Mathematical and Theoretical</i> , <b>2016</b> , 49, 475202	2	3
60	Incorporating Automation Logic in the Online Scheduling of Batch Chemical Plants. <i>Computer Aided Chemical Engineering</i> , <b>2018</b> , 2053-2058	0.6	3
59	On most permissive observers in dynamic sensor optimization problems for discrete event systems <b>2010</b> ,		3
58	A framework for optimization of sensor activation using most permissive observers <b>2011</b> ,		3
57	<b>2012</b> ,		3
56	Minimization of communication in distributed discrete event systems <b>2007</b> ,		3

55	A Polynomial Algorithm for Minimizing Communication in a Distributed Discrete Event System with a Central Station <b>2006</b> ,		3
54	Diagnosis of Patterns in Partially-Observed Discrete-Event Systems <b>2006</b> ,		3
53	On two-way observer and its application to the verification of infinite-step and K-step opacity <b>2016</b> ,		3
52	Supervisory Control of Labeled Transition Systems Subject to Multiple Reachability Requirements via Symbolic Model Checking. <i>IEEE Transactions on Control Systems Technology</i> , <b>2020</b> , 28, 644-652	4.8	3
51	Thirty Years of the Ramadge-Wonham Theory of Supervisory Control: A Retrospective and Future Perspectives [Conference Reports]. <i>IEEE Control Systems</i> , <b>2018</b> , 38, 111-112	2.9	3
50	Demonstration of Indoor Location Privacy Enforcement using Obfuscation. <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 145-151	0.7	3
49	. <i>IEEE Transactions on Automatic Control</i> , <b>2019</b> , 64, 1768-1768	5.9	2
48	Stability of front solutions in a model for a surfactant driven flow on an inclined plane. <i>Physica D: Nonlinear Phenomena</i> , <b>2015</b> , 307, 1-13	3.3	2
47	<b>2016</b> ,		2
46	<b>2015</b> ,		2
45	Minimization of sensor activation in decentralized fault diagnosis of discrete event systems <b>2015</b> ,		2
44	Dynamic sensor activation for event diagnosis <b>2009</b> ,		2
43	An algorithm for maximising covered area. <i>International Journal of Control</i> , <b>2008</b> , 81, 1493-1505	1.5	2
42	The verification of codiagnosability in the case of dynamic observations <b>2009</b> ,		2
41	Discrete control for safe execution of IT automation workflows. <i>Operating Systems Review (ACM)</i> , <b>2007</b> , 41, 305-314	0.8	2
40	Incremental model evolution and reusability of supervisors for discrete event systems. <i>Automatica</i> , <b>2000</b> , 36, 243-259	5.7	2
39	A general language-based framework for specifying and verifying notions of opacity. <i>Discrete Event Dynamic Systems: Theory and Applications</i> ,1	1	2
38	Towards probabilistic intrusion detection in supervisory control of discrete event systems. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 1776-1782	0.7	2

37	Supervisory Control Using Variable Lookahead Policies <b>1993</b> ,		2
36	Diagnostic d�entralis�es syst�es ��ements discrets. <i>Journal Europeen Des Systemes Automatises</i> , <b>2005</b> , 39, 95-110	1.8	2
35	Predictability in Discrete-Event Systems Under Partial Observation <b>2007</b> , 1461-1466		2
34	Mitigation of Classes of Attacks using a Probabilistic Discrete Event System Framework. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 35-41	0.7	2
33	Divergence Properties of Labeled Petri Nets and Their Relevance for Diagnosability Analysis. <i>IEEE Transactions on Automatic Control</i> , <b>2020</b> , 65, 3092-3097	5.9	2
32	Flame propagation in a porous medium. <i>Physica D: Nonlinear Phenomena</i> , <b>2020</b> , 413, 132653	3.3	2
31	Special issue on recent advances in control of discrete event systems. <i>Discrete Event Dynamic Systems: Theory and Applications</i> , <b>2015</b> , 25, 3-5	1	1
30	From Diagnosability to Opacity: A Brief History of Diagnosability or Lack Thereof * *The authors' research is principally supported by the US National Science Foundation.. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 3022-3027	0.7	1
29	A methodology for modular model-building in discrete automation <b>2010</b> ,		1
28	Optimal Sensor Selection for Ensuring Diagnosability in Labeled Bounded Petri Nets. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2012</b> , 45, 208-213		1
27	Maximally permissive deadlock avoidance for multithreaded computer programs (Extended abstract) <b>2009</b> ,		1
26	Metodologia e ferramenta de apoio ao teste de n�-conflito no controle modular de sistemas a eventos discretos. <i>Controle and Automacao</i> , <b>2010</b> , 21, 58-68		1
25	Recent Advances on the Control of Partially-Observed Discrete-Event Systems <b>2002</b> , 3-17		1
24	On the Diagnosability of a Class of Hierarchical State Machines <b>2007</b> , 1282-1287		1
23	Automated Synthesis of Secure Platform Mappings. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 219-237	0.9	1
22	Extensions to the Theory of Optimal Control of Discrete Event Systems <b>1993</b> , 153-160		1
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2	A compact and uniform approach for synthesizing state-based property-enforcing supervisors for discrete-event systems. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 1-1	5.9	

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