

# Stéphane Lafortune

## List of Publications by Year in descending order

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204  
papers

6,206  
citations

94433

37  
h-index

91884

69  
g-index

207  
all docs

207  
docs citations

207  
times ranked

1453  
citing authors

#	ARTICLE	IF	CITATIONS
1	Introduction to Discrete Event Systems. The Kluwer International Series on Discrete Event Dynamic Systems, 1999, , .	0.4	1,056
2	Coordinated Decentralized Protocols for Failure Diagnosis of Discrete Event Systems. Discrete Event Dynamic Systems: Theory and Applications, 2000, 10, 33-86.	1.5	364
3	A General Architecture for Decentralized Supervisory Control of Discrete-Event Systems. Discrete Event Dynamic Systems: Theory and Applications, 2002, 12, 335-377.	1.5	196
4	Comparative analysis of related notions of opacity in centralized and coordinated architectures. Discrete Event Dynamic Systems: Theory and Applications, 2013, 23, 307-339.	1.5	147
5	A Uniform Approach for Synthesizing Property-Enforcing Supervisors for Partially-Observed Discrete-Event Systems. IEEE Transactions on Automatic Control, 2016, 61, 2140-2154.	5.7	131
6	Diagnosis of Discrete Event Systems Using Decentralized Architectures. Discrete Event Dynamic Systems: Theory and Applications, 2007, 17, 233-263.	1.5	127
7	On the history of diagnosability and opacity in discrete event systems. Annual Reviews in Control, 2018, 45, 257-266.	7.9	127
8	Active fault tolerant control of discrete event systems using online diagnostics. Automatica, 2011, 47, 639-649.	5.0	111
9	Detection and mitigation of classes of attacks in supervisory control systems. Automatica, 2018, 97, 121-133.	5.0	107
10	Predictability of event occurrences in partially-observed discrete-event systems. Automatica, 2009, 45, 301-311.	5.0	106
11	Safe diagnosability for fault-tolerant supervision of discrete-event systems. Automatica, 2005, 41, 1335-1347.	5.0	103
12	Diagnosis of Intermittent Faults. Discrete Event Dynamic Systems: Theory and Applications, 2004, 14, 171-202.	1.5	100
13	Synthesis of insertion functions for enforcement of opacity security properties. Automatica, 2014, 50, 1336-1348.	5.0	100
14	An Optimal Control Theory for Discrete Event Systems. SIAM Journal on Control and Optimization, 1998, 36, 488-541.	2.1	93
15	Synthesis of Maximally Permissive Supervisors for Partially-Observed Discrete-Event Systems. IEEE Transactions on Automatic Control, 2016, 61, 1239-1254.	5.7	89
16	A new approach for the verification of infinite-step and $K$ -step opacity using two-way observers. Automatica, 2017, 80, 162-171.	5.0	89
17	Diagnosability of Discrete Event Systems with Modular Structure. Discrete Event Dynamic Systems: Theory and Applications, 2006, 16, 9-37.	1.5	85
18	Designing Compact and Maximally Permissive Deadlock Avoidance Policies for Complex Resource Allocation Systems Through Classification Theory: The Linear Case. IEEE Transactions on Automatic Control, 2011, 56, 1818-1833.	5.7	79

#	ARTICLE	IF	CITATIONS
19	Centralized and distributed algorithms for on-line synthesis of maximal control policies under partial observation. Discrete Event Dynamic Systems: Theory and Applications, 1996, 6, 379-427.	1.5	74
20	Synthesis of sensor deception attacks at the supervisory layer of Cyber-Physical Systems. Automatica, 2020, 121, 109172.	5.0	73
21	Bisimulation, the Supervisory Control Problem and Strong Model Matching for Finite State Machines. Discrete Event Dynamic Systems: Theory and Applications, 1998, 8, 377-429.	1.5	72
22	On an Optimization Problem in Sensor Selection*. Discrete Event Dynamic Systems: Theory and Applications, 2002, 12, 417-445.	1.5	66
23	On Codiagnosability and Coobservability With Dynamic Observations. IEEE Transactions on Automatic Control, 2011, 56, 1551-1566.	5.7	55
24	Robust diagnosis of discrete-event systems against permanent loss of observations. Automatica, 2013, 49, 223-231.	5.0	55
25	An algorithm for calculating indistinguishable states and clusters in finite-state automata with partially observable transitions. Systems and Control Letters, 2007, 56, 656-661.	2.3	54
26	The theory of deadlock avoidance via discrete control. , 2009, , .		52
27	Optimal sensor activation for diagnosing discrete event systems. Automatica, 2010, 46, 1165-1175.	5.0	52
28	Stealthy deception attacks for cyber-physical systems. , 2017, , .		52
29	Opacity Enforcement Using Nondeterministic Publicly Known Edit Functions. IEEE Transactions on Automatic Control, 2019, 64, 4369-4376.	5.7	52
30	Distributed Diagnosis of Discrete-Event Systems Using Petri Nets. Lecture Notes in Computer Science, 2003, , 316-336.	1.3	49
31	On the Effect of Communication Delays in Failure Diagnosis of Decentralized Discrete Event Systems. Discrete Event Dynamic Systems: Theory and Applications, 2003, 13, 263-289.	1.5	48
32	Supervisory control and reactive synthesis: a comparative introduction. Discrete Event Dynamic Systems: Theory and Applications, 2017, 27, 209-260.	1.5	48
33	Enforcement of opacity by public and private insertion functions. Automatica, 2018, 93, 369-378.	5.0	48
34	Predictability of Sequence Patterns in Discrete Event Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 537-543.	0.4	46
35	Codiagnosability and coobservability under dynamic observations: Transformation and verification. Automatica, 2015, 61, 241-252.	5.0	46
36	Enforcing opacity by insertion functions under multiple energy constraints. Automatica, 2019, 108, 108476.	5.0	46

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37	On the Decidability and Complexity of Diagnosability for Labeled Petri Nets. IEEE Transactions on Automatic Control, 2017, 62, 5931-5938.	5.7	44
38	A state transition model for distributed query processing. ACM Transactions on Database Systems, 1986, 11, 294-322.	2.8	41
39	Robust codiagnosability of discrete event systems. , 2009, , .		40
40	Minimization of Dynamic Sensor Activation in Discrete Event Systems for the Purpose of Control. IEEE Transactions on Automatic Control, 2010, 55, 2447-2461.	5.7	40
41	Introduction to the Modelling, Control and Optimization of Discrete Event Systems. , 1995, , 217-291.		40
42	Synthesis of Maximally-Permissive Supervisors for the Range Control Problem. IEEE Transactions on Automatic Control, 2017, 62, 3914-3929.	5.7	39
43	Verification of Nonconflict of Supervisors Using Abstractions. IEEE Transactions on Automatic Control, 2009, 54, 2803-2815.	5.7	37
44	Computation of minimal event bases that ensure diagnosability. Discrete Event Dynamic Systems: Theory and Applications, 2012, 22, 249-292.	1.5	36
45	Synthesis of Supervisors Robust Against Sensor Deception Attacks. IEEE Transactions on Automatic Control, 2021, 66, 4990-4997.	5.7	36
46	On tolerable and desirable behaviors in supervisory control of discrete event systems. Discrete Event Dynamic Systems: Theory and Applications, 1991, 1, 61-92.	1.5	35
47	Diagnosability analysis of unbounded Petri nets. , 2009, , .		34
48	Minimization of Communication of Event Occurrences in Acyclic Discrete Event Systems. IEEE Transactions on Automatic Control, 2008, 53, 2197-2202.	5.7	33
49	Concurrency bugs in multithreaded software: modeling and analysis using Petri nets. Discrete Event Dynamic Systems: Theory and Applications, 2013, 23, 157-195.	1.5	33
50	Supervisory control using variable lookahead policies. Discrete Event Dynamic Systems: Theory and Applications, 1994, 4, 237-268.	1.5	32
51	Detection and prevention of actuator enablement attacks in supervisory control systems. , 2016, , .		32
52	Eliminating Concurrency Bugs with Control Engineering. Computer, 2009, 42, 52-60.	1.1	31
53	Eliminating Concurrency Bugs in Multithreaded Software: A New Approach Based on Discrete-Event Control. IEEE Transactions on Control Systems Technology, 2013, 21, 2067-2082.	5.2	29
54	Synthesis of Obfuscation Policies to Ensure Privacy and Utility. Journal of Automated Reasoning, 2018, 60, 107-131.	1.4	29

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55	On the Minimization of Communication in Networked Systems with a Central Station. Discrete Event Dynamic Systems: Theory and Applications, 2008, 18, 415-443.	1.5	27
56	The theory of deadlock avoidance via discrete control. ACM SIGPLAN Notices, 2009, 44, 252-263.	0.2	27
57	Synthesis of Optimal Insertion Functions for Opacity Enforcement. IEEE Transactions on Automatic Control, 2016, 61, 571-584.	5.7	27
58	Minimal Communication for Essential Transitions in a Distributed Discrete-Event System. IEEE Transactions on Automatic Control, 2007, 52, 1495-1502.	5.7	26
59	A general approach for optimizing dynamic sensor activation for discrete event systems. Automatica, 2019, 105, 376-383.	5.0	26
60	Ensuring Privacy in Location-Based Services: An Approach Based on Opacity Enforcement. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 33-38.	0.4	25
61	Minimization of Sensor Activation in Decentralized Discrete-Event Systems. IEEE Transactions on Automatic Control, 2018, 63, 3705-3718.	5.7	25
62	Adaptive Look-ahead Optimization of Traffic Signals. Journal of Intelligent Transportation Systems, 1999, 4, 209-254.	0.1	24
63	Towards resilient supervisors against sensor deception attacks. , 2019, , .		24
64	On Most Permissive Observers in Dynamic Sensor Activation Problems. IEEE Transactions on Automatic Control, 2014, 59, 966-981.	5.7	23
65	Verification complexity of a class of observational properties for modular discrete events systems. Automatica, 2017, 83, 199-205.	5.0	23
66	The Verification and Control of Interacting Similar Discrete-Event Systems. SIAM Journal on Control and Optimization, 2006, 45, 634-667.	2.1	22
67	Optimal Liveness-Enforcing Control for a Class of Petri Nets Arising in Multithreaded Software. IEEE Transactions on Automatic Control, 2013, 58, 1123-1138.	5.7	22
68	Optimal sensor selection for ensuring diagnosability in labeled Petri nets. Automatica, 2013, 49, 2373-2383.	5.0	22
69	Superposition formulas for pseudounitary matrix Riccati equations. Journal of Mathematical Physics, 1996, 37, 1539-1550.	1.1	21
70	On optimal control of a class of partially observed discrete event systems. Automatica, 2002, 38, 1935-1943.	5.0	21
71	Gadara nets: Modeling and analyzing lock allocation for deadlock avoidance in multithreaded software. , 2009, , .		21
72	Recursive computation of limited lookahead supervisory controls for discrete event systems. Discrete Event Dynamic Systems: Theory and Applications, 1993, 3, 71-100.	1.5	20

#	ARTICLE	IF	CITATIONS
73	Diagnosability Analysis of a Class of Hierarchical State Machines. Discrete Event Dynamic Systems: Theory and Applications, 2008, 18, 385-413.	1.5	20
74	Synthesis of Sensor Deception Attacks for Systems Modeled as Probabilistic Automata. , 2019, , .		20
75	Compositional and Abstraction-Based Approach for Synthesis of Edit Functions for Opacity Enforcement. IEEE Transactions on Automatic Control, 2020, 65, 3349-3364.	5.7	20
76	A graph-theoretic optimal control problem for terminating discrete event processes. Discrete Event Dynamic Systems: Theory and Applications, 1992, 2, 139-172.	1.5	19
77	PREDICTABILITY IN DISCRETE-EVENT SYSTEMS UNDER PARTIAL OBSERVATION 1. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 1461-1466.	0.4	19
78	Discrete Event Systems: Modeling, Observation, and Control. Annual Review of Control, Robotics, and Autonomous Systems, 2019, 2, 141-159.	11.8	19
79	Optimal supervisory control with mean payoff objectives and under partial observation. Automatica, 2021, 123, 109359.	5.0	19
80	Discrete control for safe execution of IT automation workflows. , 2007, , .		18
81	High Lewis Number Combustion Wavefronts: A Perturbative Melnikov Analysis. SIAM Journal on Applied Mathematics, 2007, 67, 464-486.	1.8	18
82	A new approach for synthesizing opacity-enforcing supervisors for partially-observed discrete-event systems. , 2015, , .		17
83	On nonconflicting languages that arise in supervisory control of discrete event systems. Systems and Control Letters, 1991, 17, 105-113.	2.3	16
84	Supervisory control for collision avoidance in vehicular networks with imperfect measurements. , 2013, , .		16
85	A general approach for solving dynamic sensor activation problems for a class of properties. , 2015, , .		16
86	Transforming Opacity Verification to Nonblocking Verification in Modular Systems. IEEE Transactions on Automatic Control, 2020, 65, 1739-1746.	5.7	16
87	PSPACE-completeness of Modular Supervisory Control Problems*. Discrete Event Dynamic Systems: Theory and Applications, 2005, 15, 145-167.	1.5	15
88	Squared eigenfunctions and linear stability properties of closed vortex filaments. Nonlinearity, 2011, 24, 3555-3583.	1.4	15
89	Enforcement of opacity properties using insertion functions. , 2012, , .		15
90	Decentralized Supervisory Control With Intersection-Based Architecture. IEEE Transactions on Automatic Control, 2016, 61, 3644-3650.	5.7	15

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91	Diagnosis of modular discrete event systems 1. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 327-332.	0.4	14
92	When is negativity not a problem for the ultradiscrete limit?. Journal of Mathematical Physics, 2006, 47, 103510.	1.1	14
93	Supervisory Control of Software Execution for Failure Avoidance: Experience from the Gadara Project. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 259-266.	0.4	14
94	Supervisory control for collision avoidance in vehicular networks using discrete event abstractions. , 2013, , .		14
95	Bridging the Gap between Supervisory Control and Reactive Synthesis: Case of Full Observation and Centralized Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 222-227.	0.4	14
96	Supervisory control for collision avoidance in vehicular networks using discrete event abstractions. Discrete Event Dynamic Systems: Theory and Applications, 2017, 27, 1-44.	1.5	14
97	Dynamic system-optimal traffic assignment using a state space model. Transportation Research Part B: Methodological, 1993, 27, 451-472.	5.9	13
98	A DISTRIBUTED ALGORITHM FOR ON-LINE DIAGNOSIS OF PLACE-BORDERED PETRI NETS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 68-73.	0.4	13
99	Solvability of Centralized Supervisory Control Under Partial Observation. Discrete Event Dynamic Systems: Theory and Applications, 2006, 16, 527-553.	1.5	13
100	A fault tolerant architecture for supervisory control of discrete event systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 6542-6547.	0.4	13
101	A general language-based framework for specifying and verifying notions of opacity. Discrete Event Dynamic Systems: Theory and Applications, 2022, 32, 253-289.	1.5	13
102	A General Architecture for Decentralized Supervisory Control of Discrete-Event Systems. , 2000, , 111-118.		12
103	On Decentralized and Distributed Control of Partially-Observed Discrete Event Systems. , 2007, , 171-184.		12
104	A Relational Algebraic Approach to the Representation and Analysis of Discrete Event Systems. , 1991, , .		11
105	Optimal sensor activation in controlled discrete event systems. , 2008, , .		11
106	Polynomial-time verification of the observer property in abstractions. , 2008, , .		11
107	Modular Supervisory Control with Equivalence-Based Abstraction and Covering-Based Conflict Resolution. Discrete Event Dynamic Systems: Theory and Applications, 2010, 20, 139-185.	1.5	11
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. Energy Procedia, 2011, 4, 4193-4198.	1.8	11

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109	On the Computation of Supremal Sublanguages Relevant to Supervisory Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 175-180.	0.4	11
110	Synthesis of maximally permissive non-blocking supervisors for partially observed discrete event systems. , 2014, , .		11
111	Synthesis of Maximally Permissive Nonblocking Supervisors for the Lower Bound Containment Problem. IEEE Transactions on Automatic Control, 2018, 63, 4435-4441.	5.7	11
112	Efficient Synthesis of Sensor Deception Attacks Using Observation Equivalence-Based Abstraction. IFAC-PapersOnLine, 2020, 53, 28-34.	0.9	11
113	Obfuscator Synthesis for Privacy and Utility. Lecture Notes in Computer Science, 2016, , 133-149.	1.3	10
114	Insertion Functions with Memory for Opacity Enforcement. IFAC-PapersOnLine, 2018, 51, 394-399.	0.9	10
115	Verification of the Observer Property in Discrete Event Systems. IEEE Transactions on Automatic Control, 2014, 59, 2176-2181.	5.7	9
116	SAT-Based Control of Concurrent Software for Deadlock Avoidance. IEEE Transactions on Automatic Control, 2015, 60, 3269-3274.	5.7	9
117	Local Mean Payoff Supervisory Control for Discrete Event Systems. IEEE Transactions on Automatic Control, 2022, 67, 2282-2297.	5.7	9
118	The Dynamics of Stretchable Rods in the Inertial Case. Nonlinear Dynamics, 2006, 43, 173-195.	5.2	8
119	An online algorithm for minimal sensor activation in discrete event systems. , 2009, , .		8
120	Synthesis of maximally-permissive liveness-enforcing control policies for Gadara petri nets. , 2010, , .		8
121	Demonstration of Indoor Location Privacy Enforcement using Obfuscation. IFAC-PapersOnLine, 2018, 51, 145-151.	0.9	8
122	Embedded Insertion Functions for Opacity Enforcement. IEEE Transactions on Automatic Control, 2021, 66, 4184-4191.	5.7	8
123	On the Synthesis of Optimal Schedulers in Discrete Event Control Problems with Multiple Goals. SIAM Journal on Control and Optimization, 2000, 39, 512-532.	2.1	7
124	Supervisor Existence for Modular Discrete-Event Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 205-210.	0.4	7
125	New results on the nonconflict test of modular supervisors. , 2008, , .		7
126	Optimal deadlock avoidance for complex resource allocation systems through classification theory. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 267-274.	0.4	7

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127	Deadlock-avoidance control of multithreaded software: An efficient siphon-based algorithm for Gadara petri nets. , 2011, , .		7
128	Enforcing opacity by publicly known edit functions. , 2017, , .		7
129	Opacity Enforcement by Insertion Functions under Energy Constraints. IFAC-PapersOnLine, 2018, 51, 291-297.	0.9	7
130	Incorporating automation logic in online chemical production scheduling. Computers and Chemical Engineering, 2019, 128, 201-215.	3.8	7
131	Supervisory Control of Labeled Transition Systems Subject to Multiple Reachability Requirements via Symbolic Model Checking. IEEE Transactions on Control Systems Technology, 2020, 28, 644-652.	5.2	7
132	Mitigation of Classes of Attacks using a Probabilistic Discrete Event System Framework. IFAC-PapersOnLine, 2020, 53, 35-41.	0.9	7
133	Diagnosis of Patterns in Partially-Observed Discrete-Event Systems. , 2006, , .		6
134	New Results on Testing Modularity of Local Supervisors using Abstractions. , 2006, , .		6
135	The application of supervisory control to deadlock avoidance in concurrent software. , 2008, , .		6
136	Explicit Storage and Analysis of Billions of States using Commodity Computers. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 364-371.	0.4	6
137	A General Approach for Synthesis of Supervisors for Partially-Observed Discrete-Event Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 2422-2428.	0.4	6
138	Synthesis of opacity-enforcing insertion functions that can be publicly known. , 2015, , .		6
139	Verification and synthesis of embedded insertion functions for opacity enforcement. , 2017, , .		6
140	Mean Payoff Supervisory Control Under Partial Observation. , 2018, , .		6
141	Flame propagation in a porous medium. Physica D: Nonlinear Phenomena, 2020, 413, 132653.	2.8	6
142	Synthesis of Optimal Multiobjective Attack Strategies for Controlled Systems Modeled by Probabilistic Automata. IEEE Transactions on Automatic Control, 2022, 67, 2873-2888.	5.7	6
143	Discrete Event Systems: The State of the Art and New Directions. , 1999, , 1-65.		6
144	Predictability in Discrete-Event Systems Under Partial Observation This research is supported in part by NSF grant CCR- 0325571 and by ONR grant N00014â€“03-1â€“0232. The first author wishes to acknowledge support from a Barbour Fellowship from the Horace H. Rackham School of Graduate Studies at the University of Michigan.. , 2007, , 1461-1466.		6

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145	A Dynamical System Model for Traffic Assignment in Networks. , 1991, , .		5
146	Diagnostic d'centralis des syst mes v nements discrets. Journal Europeen Des Systemes Automatises, 2005, 39, 95-110.	0.4	5
147	A Polynomial Algorithm for Minimizing Communication in a Distributed Discrete Event System with a Central Station. , 2006, , .		4
148	An algorithm for maximising covered area. International Journal of Control, 2008, 81, 1493-1505.	1.9	4
149	Dynamic sensor activation for event diagnosis. , 2009, , .		4
150	On atomicity enforcement in concurrent software via Discrete Event Systems theory. , 2012, , .		4
151	Minimization of sensor activation in decentralized fault diagnosis of discrete event systems. , 2015, , .		4
152	On two-way observer and its application to the verification of infinite-step and K-step opacity. , 2016, , .		4
153	Enhancing opacity of stochastic discrete event systems using insertion functions. , 2016, , .		4
154	Thirty Years of the Ramadge-Wonham Theory of Supervisory Control: A Retrospective and Future Perspectives [Conference Reports]. IEEE Control Systems, 2018, 38, 111-112.	0.8	4
155	Efficient Synthesis of Edit Functions for Opacity Enforcement Using Bisimulation-Based Abstractions. , 2018, , .		4
156	Supervisory Control under Local Mean Payoff Constraints. , 2019, , .		4
157	Divergence Properties of Labeled Petri Nets and Their Relevance for Diagnosability Analysis. IEEE Transactions on Automatic Control, 2020, 65, 3092-3097.	5.7	4
158	Moving Target Defense based on Switched Supervisory Control: A New Technique for Mitigating Sensor Deception Attacks. IFAC-PapersOnLine, 2020, 53, 317-323.	0.9	4
159	Incremental model evolution and reusability of supervisors for discrete event systems. Automatica, 2000, 36, 243-259.	5.0	3
160	Minimization of communication in distributed discrete event systems. , 2007, , .		3
161	Maximally permissive deadlock avoidance for multithreaded computer programs (Extended abstract). , 2009, , .		3
162	On most permissive observers in dynamic sensor optimization problems for discrete event systems. , 2010, , .		3

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163	A framework for optimization of sensor activation using most permissive observers. , 2011, , .		3
164	Matrix integral solutions to the discrete KP hierarchy and its Pfaffianized version. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 475202.	2.1	3
165	Incorporating Automation Logic in the Online Scheduling of Batch Chemical Plants. Computer Aided Chemical Engineering, 2018, , 2053-2058.	0.5	3
166	Divergent stutter bisimulation abstraction for controller synthesis with linear temporal logic specifications. Automatica, 2021, 130, 109723.	5.0	3
167	Supervisory Control Using Variable Lookahead Policies. , 1993, , .		3
168	Automated Synthesis of Secure Platform Mappings. Lecture Notes in Computer Science, 2019, , 219-237.	1.3	3
169	Towards probabilistic intrusion detection in supervisory control of discrete event systems. IFAC-PapersOnLine, 2020, 53, 1776-1782.	0.9	3
170	Discrete control for safe execution of IT automation workflows. Operating Systems Review (ACM), 2007, 41, 305-314.	1.9	2
171	The verification of codiagnosability in the case of dynamic observations. , 2009, , .		2
172	Simulation analysis of multithreaded programs under deadlock-avoidance control. , 2011, , .		2
173	On the relationship between codiagnosability and coobservability under dynamic observations. , 2015, , .		2
174	Stability of front solutions in a model for a surfactant driven flow on an inclined plane. Physica D: Nonlinear Phenomena, 2015, 307, 1-13.	2.8	2
175	A semi-discrete Kadomtsev-Petviashvili equation and its coupled integrable system. Journal of Mathematical Physics, 2016, 57, 053503.	1.1	2
176	On maximal permissiveness in partially-observed discrete event systems: Verification and synthesis. , 2016, , .		2
177	Corrections to "On the Decidability and Complexity of Diagnosability for Labeled Petri Nets" [Nov 17 5931-5938]. IEEE Transactions on Automatic Control, 2019, 64, 1768-1768.	5.7	2
178	A methodology for modular model-building in discrete automation. , 2010, , .		1
179	Optimal Sensor Selection for Ensuring Diagnosability in Labeled Bounded Petri Nets. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 208-213.	0.4	1
180	Special issue on recent advances in control of discrete event systems. Discrete Event Dynamic Systems: Theory and Applications, 2015, 25, 3-5.	1.5	1

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181	On the maximally-permissive range control problem in partially-observed discrete event systems. , 2016, , .		1
182	Combustion waves in hydraulically resistant porous media in a special parameter regime. Physica D: Nonlinear Phenomena, 2016, 332, 23-33.	2.8	1
183	From Diagnosability to Opacity: A Brief History of Diagnosability or Lack Thereof * *The authors' research is principally supported by the US National Science Foundation.. IFAC-PapersOnLine, 2017, 50, 3022-3027.	0.9	1
184	Authors' Reply to "Comments on "A new approach for the verification of infinite-step and K-step opacity using two-way observers"[Automatica, 2017(80)162-171]" Automatica, 2021, 124, 109273.	5.0	1
185	Editorial - Thirty years of J-DEDS: moving on with new leadership. Discrete Event Dynamic Systems: Theory and Applications, 2021, 31, 1-3.	1.5	1
186	Metodologia e ferramenta de apoio ao teste de nŁo-conflito no controle modular de sistemas a eventos discretos. Controle and Automacao, 2010, 21, 58-68.	0.2	1
187	Recent Advances on the Control of Partially-Observed Discrete-Event Systems. , 2002, , 3-17.		1
188	On the Diagnosability of a Class of Hierarchical State Machines. , 2007, , 1282-1287.		1
189	Extensions to the Theory of Optimal Control of Discrete Event Systems. , 1993, , 153-160.		1
190	Enforcement of K-Step Opacity with Edit Functions. , 2021, , .		1
191	A Dynamic Obfuscation Framework for Security and Utility. , 2022, , .		1
192	A model for communication in the distributed evaluation of a control strategy. , 1986, , .		0
193	Supervisory Control. The Kluwer International Series on Discrete Event Dynamic Systems, 1999, , 135-224.	0.4	0
194	ON THE DIAGNOSABILITY OF A CLASS OF HIERARCHICAL STATE MACHINES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 1282-1287.	0.4	0
195	Special Issue on WODES'06. Discrete Event Dynamic Systems: Theory and Applications, 2007, 17, 423-424.	1.5	0
196	Special issue on recent trends in discrete event systems. Discrete Event Dynamic Systems: Theory and Applications, 2012, 22, 381-382.	1.5	0
197	Practical lock/unlock pairing for concurrent programs. , 2013, , .		0
198	Fault Diagnosis of Manufacturing Systems Using Finite State Automata. Industrial Information Technology Series, 2014, , 601-626.	0.2	0

#	ARTICLE	IF	CITATIONS
199	State-Partition-Based Control of Discrete Event Systems for Enforcement of Regular Language Specifications. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 2414-2421.	0.4	0
200	Editorial: changes at J-DEDS. Discrete Event Dynamic Systems: Theory and Applications, 2015, 25, 1-2.	1.5	0
201	Stability of nonlinear waves and patterns and related topics. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20180001.	3.4	0
202	Spectral Analysis of Fronts in a Marangoni-Driven Thin Liquid Film Flow Down a Slope. SIAM Journal on Applied Mathematics, 2020, 80, 95-118.	1.8	0
203	A Compact and Uniform Approach for Synthesizing State-Based Property-Enforcing Supervisors for Discrete-Event Systems. IEEE Transactions on Automatic Control, 2022, 67, 3567-3573.	5.7	0
204	Fault Diagnosis of Manufacturing Systems Using Finite State Automata. , 2018, , 601-626.		0