StÃ©phane Lafortune

List of Publications by Year
in descending order

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204	6,206	94433 37	91884 69
papers	citations	h-index	g-index

207	207	207	1453
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	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
3	Local Mean Payoff Supervisory Control for Discrete Event Systems. IEEE Transactions on Automatic Control, 2022, 67, 2282-2297.	5.7	9
4	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
5	A Dynamic Obfuscation Framework for Security and Utility. , 2022, , .		1
6	Authorsâ€™ Reply to â€œComments on â€œA new approach for the verification of infinite-step and K-step opacity using two-way observersâ€•[Automatica, 2017(80)162-171]â€• Automatica, 2021, 124, 109273.	5.0	1
7	Optimal supervisory control with mean payoff objectives and under partial observation. Automatica, 2021, 123, 109359.	5.0	19
8	Embedded Insertion Functions for Opacity Enforcement. IEEE Transactions on Automatic Control, 2021, 66, 4184-4191.	5.7	8
9	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
10	Divergent stutter bisimulation abstraction for controller synthesis with linear temporal logic specifications. Automatica, 2021, 130, 109723.	5.0	3
11	Synthesis of Supervisors Robust Against Sensor Deception Attacks. IEEE Transactions on Automatic Control, 2021, 66, 4990-4997.	5.7	36
12	Enforcement of K-Step Opacity with Edit Functions. , 2021, , .		1
13	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
14	Transforming Opacity Verification to Nonblocking Verification in Modular Systems. IEEE Transactions on Automatic Control, 2020, 65, 1739-1746.	5.7	16
15	Divergence Properties of Labeled Petri Nets and Their Relevance for Diagnosability Analysis. IEEE Transactions on Automatic Control, 2020, 65, 3092-3097.	5.7	4
16	Flame propagation in a porous medium. Physica D: Nonlinear Phenomena, 2020, 413, 132653.	2.8	6
17	Synthesis of sensor deception attacks at the supervisory layer of Cyberâ€“Physical Systems. Automatica, 2020, 121, 109172.	5.0	73
18	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

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19	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
20	Mitigation of Classes of Attacks using a Probabilistic Discrete Event System Framework. IFAC-PapersOnLine, 2020, 53, 35-41.	0.9	7
21	Towards probabilistic intrusion detection in supervisory control of discrete event systems. IFAC-PapersOnLine, 2020, 53, 1776-1782.	0.9	3
22	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
23	Efficient Synthesis of Sensor Deception Attacks Using Observation Equivalence-Based Abstraction. IFAC-PapersOnLine, 2020, 53, 28-34.	0.9	11
24	Enforcing opacity by insertion functions under multiple energy constraints. Automatica, 2019, 108, 108476.	5.0	46
25	Incorporating automation logic in online chemical production scheduling. Computers and Chemical Engineering, 2019, 128, 201-215.	3.8	7
26	A general approach for optimizing dynamic sensor activation for discrete event systems. Automatica, 2019, 105, 376-383.	5.0	26
27	Opacity Enforcement Using Nondeterministic Publicly Known Edit Functions. IEEE Transactions on Automatic Control, 2019, 64, 4369-4376.	5.7	52
28	Corrections to â€œOn the Decidability and Complexity of Diagnosability for Labeled Petri Netsâ€•[Nov 17 5931-5938]. IEEE Transactions on Automatic Control, 2019, 64, 1768-1768.	5.7	2
29	Supervisory Control under Local Mean Payoff Constraints. , 2019, , .		4
30	Towards resilient supervisors against sensor deception attacks. , 2019, , .		24
31	Synthesis of Sensor Deception Attacks for Systems Modeled as Probabilistic Automata. , 2019, , .		20
32	Discrete Event Systems: Modeling, Observation, and Control. Annual Review of Control, Robotics, and Autonomous Systems, 2019, 2, 141-159.	11.8	19
33	Automated Synthesis of Secure Platform Mappings. Lecture Notes in Computer Science, 2019, , 219-237.	1.3	3
34	Stability of nonlinear waves and patterns and related topics. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20180001.	3.4	0
35	Enforcement of opacity by public and private insertion functions. Automatica, 2018, 93, 369-378.	5.0	48
36	On the history of diagnosability and opacity in discrete event systems. Annual Reviews in Control, 2018, 45, 257-266.	7.9	127

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37	Minimization of Sensor Activation in Decentralized Discrete-Event Systems. IEEE Transactions on Automatic Control, 2018, 63, 3705-3718.	5.7	25
38	Synthesis of Obfuscation Policies to Ensure Privacy and Utility. Journal of Automated Reasoning, 2018, 60, 107-131.	1.4	29
39	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
40	Mean Payoff Supervisory Control Under Partial Observation. , 2018, , .		6
41	Efficient Synthesis of Edit Functions for Opacity Enforcement Using Bisimulation-Based Abstractions. , 2018, , .		4
42	Demonstration of Indoor Location Privacy Enforcement using Obfuscation. IFAC-PapersOnLine, 2018, 51, 145-151.	0.9	8
43	Opacity Enforcement by Insertion Functions under Energy Constraints. IFAC-PapersOnLine, 2018, 51, 291-297.	0.9	7
44	Insertion Functions with Memory for Opacity Enforcement. IFAC-PapersOnLine, 2018, 51, 394-399.	0.9	10
45	Detection and mitigation of classes of attacks in supervisory control systems. Automatica, 2018, 97, 121-133.	5.0	107
46	Synthesis of Maximally Permissive Nonblocking Supervisors for the Lower Bound Containment Problem. IEEE Transactions on Automatic Control, 2018, 63, 4435-4441.	5.7	11
47	Incorporating Automation Logic in the Online Scheduling of Batch Chemical Plants. Computer Aided Chemical Engineering, 2018, , 2053-2058.	0.5	3
48	Fault Diagnosis of Manufacturing Systems Using Finite State Automata. , 2018, , 601-626.		0
49	Supervisory control and reactive synthesis: a comparative introduction. Discrete Event Dynamic Systems: Theory and Applications, 2017, 27, 209-260.	1.5	48
50	On the Decidability and Complexity of Diagnosability for Labeled Petri Nets. IEEE Transactions on Automatic Control, 2017, 62, 5931-5938.	5.7	44
51	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
52	A new approach for the verification of infinite-step and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si9.gif" display="inline" overflow="scroll"><mml:mi>K</mml:mi></mml:math>-step opacity using two-way observers. Automatica, 2017, 80, 162-171.	5.0	89
53	Synthesis of Maximally-Permissive Supervisors for the Range Control Problem. IEEE Transactions on Automatic Control, 2017, 62, 3914-3929.	5.7	39
54	Verification complexity of a class of observational properties for modular discrete events systems. Automatica, 2017, 83, 199-205.	5.0	23

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55	From Diagnosability to Opacity: A Brief History of Diagnosability or Lack Thereof * *The authorsâ€™ research is principally supported by the US National Science Foundation.. IFAC-PapersOnLine, 2017, 50, 3022-3027.	0.9	1
56	Stealthy deception attacks for cyber-physical systems. , 2017, , .		52
57	Enforcing opacity by publicly known edit functions. , 2017, , .		7
58	Verification and synthesis of embedded insertion functions for opacity enforcement. , 2017, , .		6
59	Detection and prevention of actuator enablement attacks in supervisory control systems. , 2016, , .		32
60	On two-way observer and its application to the verification of infinite-step and K-step opacity. , 2016, , .		4
61	A semi-discrete Kadomtsev-Petviashvili equation and its coupled integrable system. Journal of Mathematical Physics, 2016, 57, 053503.	1.1	2
62	On the maximally-permissive range control problem in partially-observed discrete event systems. , 2016, , .		1
63	Combustion waves in hydraulically resistant porous media in a special parameter regime. Physica D: Nonlinear Phenomena, 2016, 332, 23-33.	2.8	1
64	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
65	Obfuscator Synthesis for Privacy and Utility. Lecture Notes in Computer Science, 2016, , 133-149.	1.3	10
66	Enhancing opacity of stochastic discrete event systems using insertion functions. , 2016, , .		4
67	On maximal permissiveness in partially-observed discrete event systems: Verification and synthesis. , 2016, , .		2
68	Synthesis of Optimal Insertion Functions for Opacity Enforcement. IEEE Transactions on Automatic Control, 2016, 61, 571-584.	5.7	27
69	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
70	Decentralized Supervisory Control With Intersection-Based Architecture. IEEE Transactions on Automatic Control, 2016, 61, 3644-3650.	5.7	15
71	Synthesis of Maximally Permissive Supervisors for Partially-Observed Discrete-Event Systems. IEEE Transactions on Automatic Control, 2016, 61, 1239-1254.	5.7	89
72	Synthesis of opacity-enforcing insertion functions that can be publicly known. , 2015, , .		6

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73	On the relationship between codiagnosability and coobservability under dynamic observations. , 2015, , .		2
74	Minimization of sensor activation in decentralized fault diagnosis of discrete event systems. , 2015, , .		4
75	A new approach for synthesizing opacity-enforcing supervisors for partially-observed discrete-event systems. , 2015, , .		17
76	A general approach for solving dynamic sensor activation problems for a class of properties. , 2015, , .		16
77	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
78	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
79	Editorial: changes at J-DEDS. Discrete Event Dynamic Systems: Theory and Applications, 2015, 25, 1-2.	1.5	0
80	Codiagnosability and coobservability under dynamic observations: Transformation and verification. Automatica, 2015, 61, 241-252.	5.0	46
81	SAT-Based Control of Concurrent Software for Deadlock Avoidance. IEEE Transactions on Automatic Control, 2015, 60, 3269-3274.	5.7	9
82	Synthesis of maximally permissive non-blocking supervisors for partially observed discrete event systems. , 2014, , .		11
83	Synthesis of insertion functions for enforcement of opacity security properties. Automatica, 2014, 50, 1336-1348.	5.0	100
84	On Most Permissive Observers in Dynamic Sensor Activation Problems. IEEE Transactions on Automatic Control, 2014, 59, 966-981.	5.7	23
85	Verification of the Observer Property in Discrete Event Systems. IEEE Transactions on Automatic Control, 2014, 59, 2176-2181.	5.7	9
86	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
87	Fault Diagnosis of Manufacturing Systems Using Finite State Automata. Industrial Information Technology Series, 2014, , 601-626.	0.2	0
88	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
89	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
90	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

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91	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
92	Robust diagnosis of discrete-event systems against permanent loss of observations. Automatica, 2013, 49, 223-231.	5.0	55
93	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
94	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
95	Optimal sensor selection for ensuring diagnosability in labeled Petri nets. Automatica, 2013, 49, 2373-2383.	5.0	22
96	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
97	Practical lock/unlock pairing for concurrent programs. , 2013, , .		0
98	Supervisory control for collision avoidance in vehicular networks using discrete event abstractions. , 2013, , .		14
99	Supervisory control for collision avoidance in vehicular networks with imperfect measurements. , 2013, , .		16
100	On atomicity enforcement in concurrent software via Discrete Event Systems theory. , 2012, , .		4
101	Enforcement of opacity properties using insertion functions. , 2012, , .		15
102	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
103	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
104	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
105	Special issue on recent trends in discrete event systems. Discrete Event Dynamic Systems: Theory and Applications, 2012, 22, 381-382.	1.5	0
106	Computation of minimal event bases that ensure diagnosability. Discrete Event Dynamic Systems: Theory and Applications, 2012, 22, 249-292.	1.5	36
107	On Codiagnosability and Coobservability With Dynamic Observations. IEEE Transactions on Automatic Control, 2011, 56, 1551-1566.	5.7	55
108	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

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109	Simulation analysis of multithreaded programs under deadlock-avoidance control. , 2011, , .		2
110	Active fault tolerant control of discrete event systems using online diagnostics. Automatica, 2011, 47, 639-649.	5.0	111
111	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
112	Deadlock-avoidance control of multithreaded software: An efficient siphon-based algorithm for Gadara petri nets. , 2011, , .		7
113	Squared eigenfunctions and linear stability properties of closed vortex filaments. Nonlinearity, 2011, 24, 3555-3583.	1.4	15
114	A framework for optimization of sensor activation using most permissive observers. , 2011, , .		3
115	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
116	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
117	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
118	Optimal sensor activation for diagnosing discrete event systems. Automatica, 2010, 46, 1165-1175.	5.0	52
119	Synthesis of maximally-permissive liveness-enforcing control policies for Gadara petri nets. , 2010, , .		8
120	A methodology for modular model-building in discrete automation. , 2010, , .		1
121	On most permissive observers in dynamic sensor optimization problems for discrete event systems. , 2010, , .		3
122	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
123	Metodologia e ferramenta de apoio ao teste de nÃ£o-conflito no controle modular de sistemas a eventos discretos. Controle and Automacao, 2010, 21, 58-68.	0.2	1
124	The theory of deadlock avoidance via discrete control. , 2009, , .		52
125	The verification of codiagnosability in the case of dynamic observations. , 2009, , .		2
126	Diagnosability analysis of unbounded Petri nets. , 2009, , .		34

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127	Gadara nets: Modeling and analyzing lock allocation for deadlock avoidance in multithreaded software. , 2009, , .		21
128	Verification of Nonconflict of Supervisors Using Abstractions. IEEE Transactions on Automatic Control, 2009, 54, 2803-2815.	5.7	37
129	Robust codiagnosability of discrete event systems. , 2009, , .		40
130	An online algorithm for minimal sensor activation in discrete event systems. , 2009, , .		8
131	Eliminating Concurrency Bugs with Control Engineering. Computer, 2009, 42, 52-60.	1.1	31
132	Predictability of event occurrences in partially-observed discrete-event systems. Automatica, 2009, 45, 301-311.	5.0	106
133	Dynamic sensor activation for event diagnosis. , 2009, , .		4
134	Maximally permissive deadlock avoidance for multithreaded computer programs (Extended abstract). , 2009, , .		3
135	The theory of deadlock avoidance via discrete control. ACM SIGPLAN Notices, 2009, 44, 252-263.	0.2	27
136	Diagnosability Analysis of a Class of Hierarchical State Machines. Discrete Event Dynamic Systems: Theory and Applications, 2008, 18, 385-413.	1.5	20
137	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
138	Optimal sensor activation in controlled discrete event systems. , 2008, , .		11
139	New results on the nonconflict test of modular supervisors. , 2008, , .		7
140	An algorithm for maximising covered area. International Journal of Control, 2008, 81, 1493-1505.	1.9	4
141	The application of supervisory control to deadlock avoidance in concurrent software. , 2008, , .		6
142	Minimization of Communication of Event Occurrences in Acyclic Discrete Event Systems. IEEE Transactions on Automatic Control, 2008, 53, 2197-2202.	5.7	33
143	Polynomial-time verification of the observer property in abstractions. , 2008, , .		11
144	Predictability of Sequence Patterns in Discrete Event Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 537-543.	0.4	46

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145	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
146	Discrete control for safe execution of IT automation workflows. , 2007, , .		18
147	Minimal Communication for Essential Transitions in a Distributed Discrete-Event System. IEEE Transactions on Automatic Control, 2007, 52, 1495-1502.	5.7	26
148	Discrete control for safe execution of IT automation workflows. Operating Systems Review (ACM), 2007, 41, 305-314.	1.9	2
149	High Lewis Number Combustion Wavefronts: A Perturbative Melnikov Analysis. SIAM Journal on Applied Mathematics, 2007, 67, 464-486.	1.8	18
150	Minimization of communication in distributed discrete event systems. , 2007, , .		3
151	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
152	Diagnosis of Discrete Event Systems Using Decentralized Architectures. Discrete Event Dynamic Systems: Theory and Applications, 2007, 17, 233-263.	1.5	127
153	Special Issue on WODESâ€™06. Discrete Event Dynamic Systems: Theory and Applications, 2007, 17, 423-424.	1.5	0
154	On Decentralized and Distributed Control of Partially-Observed Discrete Event Systems. , 2007, , 171-184.		12
155	Predictability in Discrete-Event Systems Under Partial Observation11This 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
156	On the Diagnosability of a Class of Hierarchical State Machines. , 2007, , 1282-1287.		1
157	The Verification and Control of Interacting Similar Discrete-Event Systems. SIAM Journal on Control and Optimization, 2006, 45, 634-667.	2.1	22
158	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
159	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
160	The Dynamics of Stretchable Rods in the Inertial Case. Nonlinear Dynamics, 2006, 43, 173-195.	5.2	8
161	Solvability of Centralized Supervisory Control Under Partial Observation. Discrete Event Dynamic Systems: Theory and Applications, 2006, 16, 527-553.	1.5	13
162	Diagnosability of Discrete Event Systems with Modular Structure. Discrete Event Dynamic Systems: Theory and Applications, 2006, 16, 9-37.	1.5	85

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163	When is negativity not a problem for the ultradiscrete limit?. Journal of Mathematical Physics, 2006, 47, 103510.	1.1	14
164	A Polynomial Algorithm for Minimizing Communication in a Distributed Discrete Event System with a Central Station. , 2006, , .		4
165	Diagnosis of Patterns in Partially-Observed Discrete-Event Systems. , 2006, , .		6
166	New Results on Testing Modularity of Local Supervisors using Abstractions. , 2006, , .		6
167	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
168	Safe diagnosability for fault-tolerant supervision of discrete-event systems. Automatica, 2005, 41, 1335-1347.	5.0	103
169	PSPACE-completeness of Modular Supervisory Control Problems*. Discrete Event Dynamic Systems: Theory and Applications, 2005, 15, 145-167.	1.5	15
170	Diagnostic dÃ©centralisÃ© des systÃ¨mes Ã Ã©vÃ©nements discrets. Journal Europeen Des Systemes Automatises, 2005, 39, 95-110.	0.4	5
171	Diagnosis of Intermittent Faults. Discrete Event Dynamic Systems: Theory and Applications, 2004, 14, 171-202.	1.5	100
172	Diagnosis of modular discrete event systems 1. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 327-332.	0.4	14
173	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
174	Supervisor Existence for Modular Discrete-Event Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 205-210.	0.4	7
175	Distributed Diagnosis of Discrete-Event Systems Using Petri Nets. Lecture Notes in Computer Science, 2003, , 316-336.	1.3	49
176	On optimal control of a class of partially observed discrete event systems. Automatica, 2002, 38, 1935-1943.	5.0	21
177	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
178	On an Optimization Problem in Sensor Selection*. Discrete Event Dynamic Systems: Theory and Applications, 2002, 12, 417-445.	1.5	66
179	Recent Advances on the Control of Partially-Observed Discrete-Event Systems. , 2002, , 3-17.		1
180	Incremental model evolution and reusability of supervisors for discrete event systems. Automatica, 2000, 36, 243-259.	5.0	3

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181	Coordinated Decentralized Protocols for Failure Diagnosis of Discrete Event Systems. Discrete Event Dynamic Systems: Theory and Applications, 2000, 10, 33-86.	1.5	364
182	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
183	A General Architecture for Decentralized Supervisory Control of Discrete-Event Systems. , 2000, , 111-118.		12
184	Introduction to Discrete Event Systems. The Kluwer International Series on Discrete Event Dynamic Systems, 1999, , .	0.4	1,056
185	Supervisory Control. The Kluwer International Series on Discrete Event Dynamic Systems, 1999, , 135-224.	0.4	0
186	Adaptive Look-ahead Optimization of Traffic Signalsâˆ—. Journal of Intelligent Transportation Systems, 1999, 4, 209-254.	0.1	24
187	Discrete Event Systems: The State of the Art and New Directions. , 1999, , 1-65.		6
188	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
189	An Optimal Control Theory for Discrete Event Systems. SIAM Journal on Control and Optimization, 1998, 36, 488-541.	2.1	93
190	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
191	Superposition formulas for pseudounitary matrix Riccati equations. Journal of Mathematical Physics, 1996, 37, 1539-1550.	1.1	21
192	Introduction to the Modelling, Control and Optimization of Discrete Event Systems. , 1995, , 217-291.		40
193	Supervisory control using variable lookahead policies. Discrete Event Dynamic Systems: Theory and Applications, 1994, 4, 237-268.	1.5	32
194	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
195	Dynamic system-optimal traffic assignment using a state space model. Transportation Research Part B: Methodological, 1993, 27, 451-472.	5.9	13
196	Supervisory Control Using Variable Lookahead Policies. , 1993, , .		3
197	Extensions to the Theory of Optimal Control of Discrete Event Systems. , 1993, , 153-160.		1
198	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

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199	A Dynamical System Model for Traffic Assignment in Networks. , 1991, , .		5
200	A Relational Algebraic Approach to the Representation and Analysis of Discrete Event Systems. , 1991, , .		11
201	On nonconflicting languages that arise in supervisory control of discrete event systems. Systems and Control Letters, 1991, 17, 105-113.	2.3	16
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