

Alessandro Giua

List of Publications by Year in descending order

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250
papers

6,391
citations

66343

42
h-index

95266

68
g-index

264
all docs

264
docs citations

264
times ranked

2237
citing authors

#	ARTICLE	IF	CITATIONS
1	A Survey of Petri Net Methods for Controlled Discrete Event Systems. Discrete Event Dynamic Systems: Theory and Applications, 1997, 7, 151-190.	1.5	353
2	Fault detection for discrete event systems using Petri nets with unobservable transitions. Automatica, 2010, 46, 1531-1539.	5.0	246
3	Generalized mutual exclusion constraints on nets with uncontrollable transitions. , 0, , .		234
4	Verification of State-Based Opacity Using Petri Nets. IEEE Transactions on Automatic Control, 2017, 62, 2823-2837.	5.7	199
5	Leader-follower formation via complex Laplacian. Automatica, 2013, 49, 1900-1906.	5.0	183
6	First-order hybrid Petri nets: a model for optimization and control. IEEE Transactions on Automation Science and Engineering, 2000, 16, 382-399.	2.3	178
7	Discrete event diagnosis using labeled Petri nets. An application to manufacturing systems. Control Engineering Practice, 2011, 19, 989-1001.	5.5	152
8	Optimal Control of Continuous-Time Switched Affine Systems. IEEE Transactions on Automatic Control, 2006, 51, 726-741.	5.7	147
9	Observability of place/transition nets. IEEE Transactions on Automatic Control, 2002, 47, 1424-1437.	5.7	131
10	Modeling and Supervisory Control of Railway Networks Using Petri Nets. IEEE Transactions on Automation Science and Engineering, 2008, 5, 431-445.	5.2	127
11	A New Approach for Diagnosability Analysis of Petri Nets Using Verifier Nets. IEEE Transactions on Automatic Control, 2012, 57, 3104-3117.	5.7	123
12	Containment of rumor spread in complex social networks. Information Sciences, 2020, 506, 113-130.	6.9	119
13	Decentralized estimation of Laplacian eigenvalues in multi-agent systems. Automatica, 2013, 49, 1031-1036.	5.0	117
14	An implicit gain-scheduling controller for cranes. IEEE Transactions on Control Systems Technology, 1998, 6, 15-20.	5.2	116
15	Design of Optimal Petri Net Controllers for Disjunctive Generalized Mutual Exclusion Constraints. IEEE Transactions on Automatic Control, 2015, 60, 1774-1785.	5.7	107
16	Basis Marking Representation of Petri Net Reachability Spaces and Its Application to the Reachability Problem. IEEE Transactions on Automatic Control, 2017, 62, 1078-1093.	5.7	106
17	On the enforcement of a class of nonlinear constraints on Petri nets. Automatica, 2015, 55, 116-124.	5.0	101
18	Finite-Time Consensus With Disturbance Rejection by Discontinuous Local Interactions in Directed Graphs. IEEE Transactions on Automatic Control, 2015, 60, 1133-1138.	5.7	98

#	ARTICLE	IF	CITATIONS
19	Marking Estimation of Petri Nets With Silent Transitions. IEEE Transactions on Automatic Control, 2007, 52, 1695-1699.	5.7	93
20	Decentralized Supervision of Petri Nets With a Coordinator. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2015, 45, 955-966.	9.3	85
21	Diagnosability of Discrete-Event Systems Using Labeled Petri Nets. IEEE Transactions on Automation Science and Engineering, 2014, 11, 144-153.	5.2	79
22	Petri net structural analysis for supervisory control. IEEE Transactions on Automation Science and Engineering, 1994, 10, 185-195.	2.3	78
23	Blocking and controllability of Petri nets in supervisory control. IEEE Transactions on Automatic Control, 1994, 39, 818-823.	5.7	68
24	Suboptimal supervisory control of Petri nets in presence of uncontrollable transitions via monitor places. Automatica, 2006, 42, 995-1004.	5.0	68
25	Characterization of Admissible Marking Sets in Petri Nets With Conflicts and Synchronizations. IEEE Transactions on Automatic Control, 2017, 62, 1329-1341.	5.7	68
26	Distributed Averaging in Sensor Networks Based on Broadcast Gossip Algorithms. IEEE Sensors Journal, 2011, 11, 808-817.	4.7	67
27	Identification of Petri Nets from Knowledge of Their Language. Discrete Event Dynamic Systems: Theory and Applications, 2007, 17, 447-474.	1.5	66
28	On the Equivalence of Observation Structures for Petri Net Generators. IEEE Transactions on Automatic Control, 2016, 61, 2448-2462.	5.7	66
29	Current-state opacity enforcement in discrete event systems under incomparable observations. Discrete Event Dynamic Systems: Theory and Applications, 2018, 28, 161-182.	1.5	64
30	Petri nets and Automatic Control: A historical perspective. Annual Reviews in Control, 2018, 45, 223-239.	7.9	62
31	Design of a Predictive Semiactive Suspension System. Vehicle System Dynamics, 2004, 41, 277-300.	3.7	60
32	Finite-Time Consensus on the Median Value With Robustness Properties. IEEE Transactions on Automatic Control, 2017, 62, 1652-1667.	5.7	60
33	Modelling and simulation of manufacturing systems with first-order hybrid Petri nets. International Journal of Production Research, 2001, 39, 255-282.	7.5	58
34	Observer-Based State-Feedback Control of Timed Petri Nets With Deadlock Recovery. IEEE Transactions on Automatic Control, 2004, 49, 17-29.	5.7	58
35	Observer-controller design for cranes via Lyapunov equivalence. Automatica, 1999, 35, 669-678.	5.0	57
36	First-order hybrid Petri nets. An application to distributed manufacturing systems. Nonlinear Analysis: Hybrid Systems, 2008, 2, 408-430.	3.5	56

#	ARTICLE	IF	CITATIONS
37	Codiagnosability Analysis of Bounded Petri Nets. IEEE Transactions on Automatic Control, 2018, 63, 1192-1199.	5.7	56
38	Decidability of opacity verification problems in labeled Petri net systems. Automatica, 2017, 80, 48-53.	5.0	54
39	Decentralized Laplacian eigenvalues estimation for networked multi-agent systems. , 2009, , .		52
40	Finite-time consensus for switching network topologies with disturbances. Nonlinear Analysis: Hybrid Systems, 2013, 10, 83-93.	3.5	50
41	Optimal Model Predictive Control of Timed Continuous Petri Nets. IEEE Transactions on Automatic Control, 2008, 53, 1731-1735.	5.7	49
42	Monitor design for colored Petri nets: An application to deadlock prevention in railway networks. Control Engineering Practice, 2006, 14, 1231-1247.	5.5	48
43	Semiactive Suspension Design with an Optimal Gain Switching Target. Vehicle System Dynamics, 1999, 31, 213-232.	3.7	45
44	An Optimization Approach to Petri Net Monitor Design. IEEE Transactions on Automatic Control, 2007, 52, 306-311.	5.7	45
45	Stabilization of switched affine systems: An application to the buck-boost converter. Proceedings of the American Control Conference, 2007, , .	0.0	43
46	Diagnosability of bounded Petri nets. , 2009, , .		38
47	State Estimation of τ -free Labeled Petri Nets with Contact-Free Nondeterministic Transitions*. Discrete Event Dynamic Systems: Theory and Applications, 2005, 15, 85-108.	1.5	37
48	Optimal control of hybrid automata: design of a semiactive suspension. Control Engineering Practice, 2004, 12, 1305-1318.	5.5	35
49	Diagnosability analysis of unbounded Petri nets. , 2009, , .		34
50	Diagnosis Using Labeled Petri Nets With Silent or Undistinguishable Fault Events. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2013, 43, 345-355.	9.3	34
51	Fault model identification and synthesis in Petri nets. Discrete Event Dynamic Systems: Theory and Applications, 2015, 25, 419-440.	1.5	33
52	Motion probes for fault detection and recovery in networked control systems. , 2008, , .		32
53	Identification of free-labeled Petri nets via integer programming. , 0, , .		30
54	Optimal stationary behavior for a class of timed continuous Petri nets. Automatica, 2004, 40, 1505-1516.	5.0	29

#	ARTICLE	IF	CITATIONS
55	Firing rate optimization of cyclic timed event graphs by token allocations. <i>Automatica</i> , 2002, 38, 91-103.	5.0	27
56	A Gossip-Based Algorithm for Discrete Consensus Over Heterogeneous Networks. <i>IEEE Transactions on Automatic Control</i> , 2010, 55, 1244-1249.	5.7	27
57	Stabilization of switched systems via optimal control. <i>Nonlinear Analysis: Hybrid Systems</i> , 2014, 11, 1-10.	3.5	27
58	Optimization of Deterministic Timed Weighted Marked Graphs. <i>IEEE Transactions on Automation Science and Engineering</i> , 2017, 14, 1084-1095.	5.2	26
59	Enforcement of Diagnosability in Labeled Petri Nets via Optimal Sensor Selection. <i>IEEE Transactions on Automatic Control</i> , 2019, 64, 2997-3004.	5.7	26
60	A Neural Network Diagnosis Approach for Analog Circuits. <i>Applied Intelligence</i> , 1999, 11, 169-186.	5.3	25
61	Robust reconstruction of the discrete state for a class of nonlinear uncertain switched systems. <i>Nonlinear Analysis: Hybrid Systems</i> , 2011, 5, 220-232.	3.5	25
62	Decentralized Diagnosis of Discrete-Event Systems Using Labeled Petri Nets. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2013, 43, 1477-1485.	9.3	25
63	Petri Net Languages and Infinite Subsets of Nm. <i>Journal of Computer and System Sciences</i> , 1999, 59, 373-391.	1.2	24
64	Influence Maximization in Independent Cascade Networks Based on Activation Probability Computation. <i>IEEE Access</i> , 2019, 7, 13745-13757.	4.2	24
65	Modelling and simulation of a bottling plant using hybrid Petri nets. <i>International Journal of Production Research</i> , 2005, 43, 1375-1395.	7.5	23
66	Modeling, analysis and control of Discrete Event Systems: a Petri net perspective. <i>IFAC-PapersOnLine</i> , 2017, 50, 1772-1783.	0.9	23
67	Stealthy Attacks for Partially-Observed Discrete Event Systems. , 2018, , .		23
68	Decidability and closure properties of weak Petri net languages in supervisory control. <i>IEEE Transactions on Automatic Control</i> , 1995, 40, 906-910.	5.7	22
69	Petri net controllers for Generalized Mutual Exclusion Constraints with floor operators. <i>Automatica</i> , 2016, 74, 238-246.	5.0	22
70	Supervisory Control of Petri Nets with Language Specifications. <i>Lecture Notes in Control and Information Sciences</i> , 2013, , 235-255.	1.0	22
71	A Systems Theory View of Petri Nets. , 2007, , 99-127.		22
72	A Mixed Suspension System for a Half-Car Vehicle Model. <i>Journal of Dynamical and Control Systems</i> , 2000, 10, 375-397.	0.4	21

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73	Verification of language-based opacity in Petri nets using verifier. , 2016, , .		21
74	Quantized consensus in Hamiltonian graphs. Automatica, 2011, 47, 2495-2503.	5.0	20
75	Testing Experiments on Synchronized Petri Nets. IEEE Transactions on Automation Science and Engineering, 2014, 11, 125-138.	5.2	20
76	Supervisor synthesis for discrete event systems under partial observation and arbitrary forbidden state specifications. Discrete Event Dynamic Systems: Theory and Applications, 2014, 24, 275-307.	1.5	20
77	Finite-time consensus on the median value by discontinuous control. , 2014, , .		19
78	Performance Optimization for Timed Weighted Marked Graphs Under Infinite Server Semantics. IEEE Transactions on Automatic Control, 2018, 63, 2573-2580.	5.7	19
79	Control of Safe Ordinary Petri Nets Using Unfolding. Discrete Event Dynamic Systems: Theory and Applications, 2005, 15, 349-373.	1.5	18
80	Verification of initial-state opacity in Petri nets. , 2015, , .		18
81	Cycle Time Optimization of Deterministic Timed Weighted Marked Graphs by Transformation. IEEE Transactions on Control Systems Technology, 2017, 25, 1318-1330.	5.2	18
82	Influence minimization in linear threshold networks. Automatica, 2019, 100, 10-16.	5.0	18
83	Deadlock recovery of Petri net models controlled using observers. , 0, , .		17
84	Observability and controllability verification in multi-agent systems through decentralized Laplacian spectrum estimation. , 2010, , .		17
85	Decidability results in First-Order Hybrid Petri Nets. Discrete Event Dynamic Systems: Theory and Applications, 2001, 11, 41-57.	1.5	16
86	Observer-Controller Design for Three Dimensional Overhead Cranes Using Time-Scaling. Mathematical and Computer Modelling of Dynamical Systems, 2001, 7, 77-107.	2.2	16
87	Load balancing over heterogeneous networks with gossip-based algorithms. , 2009, , .		16
88	IPA for continuous stochastic marked graphs. Automatica, 2013, 49, 1204-1215.	5.0	16
89	State estimation of max-plus automata with unobservable events. Automatica, 2019, 105, 36-42.	5.0	16
90	Parametric transformation of timed weighted marked graphs: applications in optimal resource allocation. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 179-188.	13.1	16

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91	Hybrid modeling and control of switching DC-DC converters via MLD systems. , 2011, , .		15
92	Marking Estimation in a Class of Time Labeled Petri Nets. IEEE Transactions on Automatic Control, 2020, 65, 493-506.	5.7	15
93	On the Spread of Innovation in Social Networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 322-327.	0.4	14
94	Synchronizing sequences on a class of unbounded systems using synchronized Petri nets. Discrete Event Dynamic Systems: Theory and Applications, 2016, 26, 85-108.	1.5	14
95	Optimal Control of Continuous Petri Nets Via Model Predictive Control. , 0, , .		13
96	State Estimation and Fault Detection Using Petri Nets. Lecture Notes in Computer Science, 2011, , 38-48.	1.3	13
97	Minimizing the Influence Propagation in Social Networks for Linear Threshold Models. IFAC-PapersOnLine, 2017, 50, 14465-14470.	0.9	13
98	Some Remarks on "State Estimation and Fault Diagnosis of Labeled Time Petri Net Systems With Unobservable Transitions" IEEE Transactions on Automatic Control, 2019, 64, 5253-5259.	5.7	13
99	Dynamic Min and Max Consensus and Size Estimation of Anonymous Multiagent Networks. IEEE Transactions on Automatic Control, 2023, 68, 202-213.	5.7	13
100	Optimal control of discrete-time hybrid automata under safety and liveness constraints. Nonlinear Analysis: Theory, Methods & Applications, 2006, 65, 1188-1210.	1.1	12
101	Identification of deterministic Petri nets. , 2006, , .		12
102	Load balancing on networks with gossip-based distributed algorithms. , 2007, , .		12
103	Verification of current-state opacity using Petri nets. , 2015, , .		12
104	Fast discrete consensus based on gossip for makespan minimization in networked systems. Automatica, 2015, 56, 60-69.	5.0	12
105	Petri nets for the control of discrete event systems. Software and Systems Modeling, 2015, 14, 693-701.	2.7	12
106	Detection and Prevention of Cyber-Attacks in Networked Control Systems. IFAC-PapersOnLine, 2020, 53, 7-13.	0.9	12
107	An H ₂ Formulation for the Design of a Passive Vibration-Isolation System for Cars. Vehicle System Dynamics, 1996, 26, 381-393.	3.7	11
108	An iterative algorithm for the optimal control of continuous-time switched linear systems. , 0, , .		11

#	ARTICLE	IF	CITATIONS
109	Title is missing!. Discrete Event Dynamic Systems: Theory and Applications, 2002, 12, 253-264.	1.5	11
110	Decentralized stabilization of heterogeneous linear multi-agent systems. , 2010, , .		11
111	Marking Estimation in Labelled Petri nets by the Representative Marking Graph. IFAC-PapersOnLine, 2017, 50, 11175-11181.	0.9	11
112	K-delayed strong detectability of discrete-event systems. , 2019, , .		11
113	On detectability of labeled Petri nets and finite automata. Discrete Event Dynamic Systems: Theory and Applications, 2020, 30, 465-497.	1.5	11
114	Joint State Estimation Under Attack of Discrete Event Systems. IEEE Access, 2021, 9, 168068-168079.	4.2	11
115	Constrained optimal control: an application to semiactive suspension systems. International Journal of Systems Science, 2010, 41, 797-811.	5.5	10
116	Deployment of Applications in Wireless Sensor Networks: A Gossip-Based Lifetime Maximization Approach. IEEE Transactions on Control Systems Technology, 2016, 24, 1828-1836.	5.2	10
117	Stealthy Sensor Attacks for Plants Modeled by Labeled Petri Nets. IFAC-PapersOnLine, 2020, 53, 14-20.	0.9	10
118	Supervisory Control of Petri Nets with Decentralized Monitor Places. Proceedings of the American Control Conference, 2007, , .	0.0	9
119	A comparison between two diagnostic tools based on automata and Petri nets. , 2008, , .		9
120	Decentralized diagnosis of Petri nets. , 2010, , .		9
121	Verification of Detectability for Unambiguous Weighted Automata. IEEE Transactions on Automatic Control, 2021, 66, 1437-1444.	5.7	9
122	Diagnosability enforcement in labeled Petri nets using supervisory control. Automatica, 2021, 131, 109776.	5.0	9
123	Qualitative dynamic diagnosis of circuits. Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM, 1993, 7, 53-64.	1.1	8
124	STABILIZATION OF SWITCHED SYSTEMS VIA OPTIMAL CONTROL. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 199-204.	0.4	8
125	Identification of unbounded Petri nets from their coverability graph. , 2006, , .		8
126	Fault model identification with Petri nets. , 2008, , .		8

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127	Linear programming techniques for the identification of place/transition nets. , 2008, , .		8
128	A decentralized lifetime maximization algorithm for distributed applications in Wireless Sensor Networks. , 2012, , .		8
129	A comparison among tools for the diagnosability of discrete event systems. , 2012, , .		8
130	A new algorithm to compute synchronizing sequences for synchronized Petri nets. , 2013, , .		8
131	Finite-time consensus with disturbance attenuation for directed switching network topologies by discontinuous local interactions. , 2013, , .		8
132	A non-progressive model of innovation diffusion in social networks. , 2013, , .		8
133	Rumor Containment by Spreading Correct Information in Social Networks. , 2019, , .		8
134	Comments on "A new approach for the verification of infinite-step and K -step opacity using two-way observers" [Automatica 80 (2017) 162-171]. Automatica, 2020, 122, 109290.	5.0	8
135	Design of supervisors for linear marking specifications in labeled Petri nets. Automatica, 2022, 136, 110031.	5.0	8
136	Discrete event representation of qualitative models using Petri nets. IEEE Transactions on Systems, Man, and Cybernetics, 1998, 28, 770-780.	5.0	7
137	Supervisor synthesis for discrete event systems with arbitrary forbidden state specifications. , 2008, , .		7
138	Marking optimization of deterministic timed weighted marked graphs. , 2014, , .		7
139	Dynamics and steady state analysis of controlled Generalized Batches Petri Nets. Nonlinear Analysis: Hybrid Systems, 2014, 12, 33-49.	3.5	7
140	Testing experiments on unbounded systems: synchronizing sequences using Petri nets. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 155-161.	0.4	7
141	Comments on "Maximally permissive supervisor synthesis based on a new constraint transformation method" [Automatica 48 (2012), 1097-1101]. Automatica, 2015, 51, 131-134.	5.0	7
142	Decentralized Opacity Enforcement in Discrete Event Systems Using Supervisory Control. , 2018, , .		7
143	Weak (approximate) detectability of labeled Petri net systems with inhibitor arcs. IFAC-PapersOnLine, 2018, 51, 167-171.	0.9	7
144	PetriBaR: A MATLAB Toolbox for Petri Nets Implementing Basis Reachability Approaches. IFAC-PapersOnLine, 2018, 51, 316-322.	0.9	7

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145	Structural Analysis of Petri Nets. Lecture Notes in Control and Information Sciences, 2013, , 213-233.	1.0	7
146	Optimal Petri Net Monitor Design. , 2002, , 141-153.		7
147	A nonlinear Perron-Frobenius approach for stability and consensus of discrete-time multi-agent systems. Automatica, 2020, 118, 109025.	5.0	7
148	Counterexamples to "Liveness-Enforcing Supervision of Bounded Ordinary Petri Nets Using Partial-Order Methods". IEEE Transactions on Automatic Control, 2004, 49, 1217-1220.	5.7	6
149	Control of safe ordinary petri nets with marking specifications using unfolding. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 63-68.	0.4	6
150	MARKING ESTIMATION OF PETRI NETS WITH PAIRS OF NONDETERMINISTIC TRANSITIONS. Asian Journal of Control, 2004, 6, 270-280.	3.0	6
151	Modelling Systems by Hybrid Petri Nets: an Application to Supply Chains. , 0, , .		6
152	Constrained invariant motions for networked multi-agent systems. , 2009, , .		6
153	Decentralized fault diagnosis for sensor networks. , 2009, , .		6
154	Linear programming techniques for analysis and control of batches Petri nets. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 1-6.	0.4	6
155	A new protocol for the decentralized diagnosis of labeled Petri nets. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 123-128.	0.4	6
156	General observation structures for Petri nets. , 2013, , .		6
157	Active diagnosis for a class of switched systems. , 2013, , .		6
158	Probabilistic state estimation for labeled continuous time Markov models with applications to attack detection. Discrete Event Dynamic Systems: Theory and Applications, 2022, 32, 65-88.	1.5	6
159	Optimal Token Allocation in Timed Cyclic Event-Graphs. , 2000, , 209-218.		6
160	On Sampling Continuous Timed Petri Nets: Reachability "Equivalence" Under Infinite Servers Semantics. , 2006, , 37-43.		6
161	Optimal State-Feedback Quadratic Regulation of Linear Hybrid Automata. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 367-372.	0.4	5
162	Petri net controllers for disjunctive Generalized Mutual Exclusion Constraints. , 2013, , .		5

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163	A Constraint Transformation Technique for Petri Nets with Certain Uncontrollable Structures. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 66-72.	0.4	5
164	Supervisory enforcement of current-state opacity with uncomparable observations. , 2016, , .		5
165	On the complexity and dynamical properties of mixed logical dynamical systems via an automaton-based realization of discrete-time hybrid automaton. International Journal of Robust and Nonlinear Control, 2018, 28, 4713-4746.	3.7	5
166	Computation of Admissible Marking Sets in Weighted Synchronization-Free Petri Nets by Dynamic Programming. IEEE Transactions on Automatic Control, 2020, 65, 2662-2669.	5.7	5
167	A Discrete Event Formulation for Multi-Robot Collision Avoidance on Pre-planned Trajectories. IEEE Access, 2020, , 1-1.	4.2	5
168	Simulation and analysis of hybrid Petri nets using the Matlab tool HYPENS. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	4
169	Diagnosis using labeled Petri nets: Faults may either be silent or undistinguishable events. , 2010, , .		4
170	Decentralized Diagnosability Analysis of Discrete Event Systems using Petri Nets*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 6060-6066.	0.4	4
171	Complete enumeration of minimal siphons in ordinary Petri nets based on problem partitioning. , 2015, , .		4
172	Decentralized observability of discrete event systems with synchronizations. Automatica, 2017, 85, 468-476.	5.0	4
173	Design of Monitor-based Supervisors in Labelled Petri Nets. IFAC-PapersOnLine, 2018, 51, 374-380.	0.9	4
174	Computation of Activation Probabilities in the Independent Cascade Model. , 2018, , .		4
175	Verification of Nonblockingness in Bounded Petri Nets With a Semi-Structural Approach. , 2019, , .		4
176	Divergence Properties of Labeled Petri Nets and Their Relevance for Diagnosability Analysis. IEEE Transactions on Automatic Control, 2020, 65, 3092-3097.	5.7	4
177	Distributed Fiedler Vector Estimation With Application to Desynchronization of Harmonic Oscillator Networks. , 2021, 5, 659-664.		4
178	Basis Coverability Graph for Partially Observable Petri Nets with Application to Diagnosability Analysis. Lecture Notes in Computer Science, 2018, , 164-183.	1.3	4
179	Analisi dei sistemi dinamici. Unitext, 2009, , .	0.1	4
180	A state estimation problem for timed continuous Petri nets. , 2007, , .		3

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181	State Estimation of Petri Nets by Transformation. , 2007, , .		3
182	Diagnosability analysis of an ABS system modeled using Petri nets. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 842-847.	0.4	3
183	A Remark on the Decentralized Diagnosis of Labeled Petri Nets. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2014, 44, 1549-1549.	9.3	3
184	A method to verify the controllability of language specifications in Petri nets based on basis marking analysis. , 2015, , .		3
185	Cycle time optimization of deterministic timed weighted marked graphs. , 2015, , .		3
186	A constraint transformation technique in Petri nets with backward-conflict-free uncontrollable structures. , 2015, , .		3
187	Gossip based asynchronous and randomized distributed task assignment with guaranteed performance on heterogeneous networks. Nonlinear Analysis: Hybrid Systems, 2017, 26, 292-306.	3.5	3
188	Influence Maximization by Link Activation in Social Networks. , 2018, , .		3
189	A Two-Step Approach for Fault Diagnosis of Max-Plus Automata. , 2019, , .		3
190	An improved approach for marking optimization of timed weighted marked graphs. Discrete Event Dynamic Systems: Theory and Applications, 2019, 29, 127-143.	1.5	3
191	A Polynomial Approach to Verifying the Existence of a Threatening Sensor Attacker. , 2022, 6, 2930-2935.		3
192	A Framework for the Analysis of Supervised Discrete Event Systems Under Attack. Lecture Notes in Control and Information Sciences - Proceedings, 2022, , 529-546.	0.1	3
193	Deterministic weak-and-marked Petri net languages are regular. IEEE Transactions on Automatic Control, 1996, 41, 1802-1803.	5.7	2
194	A linear state variable model for first-order hybrid petri nets. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1999, 32, 4911-4916.	0.4	2
195	Design of a control law for a magneto-rheological suspension. , 2003, , .		2
196	A systems theory view of Petri nets. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 17-19.	0.4	2
197	Decentralized Supervisory Control of Petri Nets with Monitor Places. , 2007, , .		2
198	DEDS Special Issue on Discrete Event Methodologies for Hybrid Systems. Discrete Event Dynamic Systems: Theory and Applications, 2008, 18, 161-162.	1.5	2

#	ARTICLE	IF	CITATIONS
199	Consensus-based decentralized supervision of Petri nets. , 2011, , .		2
200	On decentralized observability of discrete event systems. , 2011, , .		2
201	Stationary behavior of controlled Generalized Batches Petri Nets. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 54-60.	0.4	2
202	Finite-Time Consensus based Clock Synchronization by Discontinuous Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 172-177.	0.4	2
203	Observation Equivalence of Petri Net Generators. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 338-343.	0.4	2
204	Lyapunov-Free Analysis for Consensus of Nonlinear Discrete- Time Multi-Agent Systems. , 2018, , .		2
205	On Consistent Reduction in Discrete-Event Systems. , 2019, , .		2
206	The observer coverability graph for the analysis of observability properties of Place/Transition nets. , 2001, , .		2
207	Design of Observers/Controllers for Discrete Event Systems Using Petri Nets. , 2002, , 167-182.		2
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