Jiliang Luo

List of Publications by Year
in descending order

34 papers	479 citations	759233 12 h-index	752698 20 g-index
34 all docs	34 docs citations	34 times ranked	280 citing authors

#	Article	IF	Citations
1	Supervisor Synthesis for Enforcing a Class of Generalized Mutual Exclusion Constraints on Petri Nets. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2009, 39, 1237-1246.	2.9	70
2	Control Program Design for Automated Guided Vehicle Systems via Petri Nets. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2015, 45, 44-55.	9.3	53
3	Approach for Transforming Linear Constraints on Petri Nets. IEEE Transactions on Automatic Control, 2011, 56, 2751-2765.	5.7	48
4	Petri-Net Controller Synthesis for Partially Controllable and Observable Discrete Event Systems. IEEE Transactions on Automatic Control, 2017, 62, 1301-1313.	5.7	42
5	Simultaneous Reduction of Petri Nets and Linear Constraints for Efficient Supervisor Synthesis. IEEE Transactions on Automatic Control, 2015, 60, 88-103.	5.7	40
6	CenterFace: Joint Face Detection and Alignment Using Face as Point. Scientific Programming, 2020, 2020, 1-8.	0.7	37
7	Optimal Petri-Net Controller for Avoiding Collisions in a Class of Automated Guided Vehicle Systems. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 4526-4537.	8.0	29
8	Design of Variable Traffic Light Control Systems for Preventing Two-Way Grid Network Traffic Jams Using Timed Petri Nets. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 3117-3127.	8.0	25
9	Maximally permissive supervisor synthesis based on a new constraint transformation method. Automatica, 2012, 48, 1097-1101.	5.0	24
10	An Electronic Component Recognition Algorithm Based on Deep Learning with a Faster SqueezeNet. Mathematical Problems in Engineering, 2020, 2020, 1-11.	1.1	21
11	Modeling and Race Detection of Ladder Diagrams via Ordinary Petri Nets. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1166-1176.	9.3	19
12	Structural Controller for Logical Expression of Linear Constraints on Petri Nets. IEEE Transactions on Automatic Control, 2020, 65, 397-403.	5.7	14
13	A unifying <scp>Ziegler–Nichols</scp> tuning method based on active disturbance rejection. International Journal of Robust and Nonlinear Control, 2022, 32, 9525-9541.	3.7	11
14	Controller Design for Avoiding Collisions in Automated Guided Vehicle Systems via Labeled Petri Nets. IFAC-PapersOnLine, 2018, 51, 139-144.	0.9	9
15	Method for translating ladder diagrams to ordinary Petri nets. , 2012, , .		8
16	Inference Approach Based on Petri Nets. Information Sciences, 2021, 547, 1008-1024.	6.9	5
17	Synthesis of mobile robot control system on embedded chips via Petri nets. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers,Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 2018, 41, 442-451.	1.1	4
18	Multi-robot Path Planning Using Petri Nets. Lecture Notes in Computer Science, 2020, , 15-26.	1.3	4

#	Article	IF	Citations
19	Modeling and Scheduling Methods for Batch Production Systems Based on Petri Nets and Heuristic Search. IEEE Access, 2020, 8, 163458-163471.	4.2	3
20	Dispatching and Path Planning of Automated Guided Vehicles based on Petri Nets and Deep Reinforcement Learning. , 2021, , .		3
21	Supervisor Synthesis for a Class of Forbidden State Problems in Discrete Event Systems. , 2007, , .		2
22	Fault Diagnosis of Bounded Petri Nets Using Path Marking Graphs. IEEE Access, 2018, 6, 53650-53660.	4.2	2
23	Risk Evaluation Method of Import and Export Goods Based on Fuzzy Reasoning and DeepFM. Mathematical Problems in Engineering, 2021, 2021, 1-8.	1.1	2
24	Schedule of Flexible Manufacturing Systems Based on Petri Nets and A* Search With a Neural Network Heuristic Function. , 2020, , .		2
25	Combined Supervisor Synthesis Based on Constraint Transformation. , 2007, , .		1
26	Sequence controller synthesis for automated guided vehicle systems Using ordinary Petri nets. , 2014, , .		1
27	Forbidden State Avoidance Controller Synthesis for a Class of DES. , 2007, , .		0
28	Supervisor Synthesis for Enforcing a Disjunction of GMECs on Controlled Petri Nets. , 2007, , .		0
29	Robust and nonblocking supervisory control of continuous timed discrete event systems. , 2010, , .		0
30	Discrete-event controller synthesis based on state space models. , 2015, , .		0
31	Based on simulation method for solving traffic jam problems. , 2016, , .		0
32	Petri Net Model Predictive Control Method For Manufacturing Systems. , 2020, , .		0
33	Effects of Iron Core Materials on a Single-phase Power Transformer during Out-of-Phase Synchronisation in MicroGrid. , 2020, , .		0
34	Colored Knowledge Petri Nets and Logical Inference. , 2021, , .		0