Zhou He

List of Publications by Year
in descending order

49	1,551	430442	301761
papers	citations	18	39
		h-index	g-index

49	49	49	523
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Codiagnosability Enforcement in Labeled Petri Nets. IEEE Transactions on Automatic Control, 2023, 68, 2436-2443.	3.6	3
2	Path Planning of Multi-Robot Systems With Boolean Specifications Based on Simulated Annealing. IEEE Robotics and Automation Letters, 2022, 7, 6091-6098.	3.3	15
3	Path Planning of Multi-Type Robot Systems with Time Windows Based on Timed Colored Petri Nets. Applied Sciences (Switzerland), 2022, 12, 6878.	1.3	8
4	Supervisory Control of Automated Manufacturing Systems Based on State-Tree Structures. Symmetry, 2022, 14, 1470.	1.1	0
5	Real-Time Scheduling Based on Nonblocking Supervisory Control of State-Tree Structures. IEEE Transactions on Automatic Control, 2021, 66, 4230-4237.	3.6	11
6	Closed-Loop Deadlock-Free Supervision for GMECs in Time Petri Net Systems. IEEE Transactions on Automatic Control, 2021, 66, 5326-5341.	3.6	13
7	Performance safety enforcement in stochastic event graphs against boost and slow attacks. Nonlinear Analysis: Hybrid Systems, 2021, 41, 101057.	2.1	8
8	An approach for enforcing a class of GMECs on time Petri nets with uncontrollable transitions. Information Sciences, 2021, 580, 897-916.	4.0	6
9	Deadlock Control and Fault Detection and Treatment in Reconfigurable Manufacturing Systems Using Colored Resource-Oriented Petri Nets Based on Neural Network. IEEE Access, 2021, 9, 84932-84947.	2.6	9
10	Marking Estimation in a Class of Time Labeled Petri Nets. IEEE Transactions on Automatic Control, 2020, 65, 493-506.	3.6	15
11	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.	4.7	29
12	Path planning for automated guided vehicle systems with time constraints using timed Petri nets. Measurement and Control, 2020, 53, 2030-2040.	0.9	7
13	State-based fault diagnosis of discrete-event systems with partially observable outputs. Information Sciences, 2020, 529, 87-100.	4.0	16
14	Surface Slip Deformation Characteristics of Nickel-Base Single Crystal Thin Plates With Film Cooling Holes. IEEE Access, 2020, 8, 75145-75153.	2.6	4
15	SCT-based priority-free conditionally-preemptive scheduling of modular real-time systems with exact task execution time. Discrete Event Dynamic Systems: Theory and Applications, 2019, 29, 501-520.	0.6	4
16	Supervisory Control in Partially Observable Petri Nets with Sensor Reduction. , 2019, , .		2
17	On Algebraic Identification of Critical States for Deadlock Control in Automated Manufacturing Systems Modeled With Petri Nets. IEEE Access, 2019, 7, 121332-121349.	2.6	30
18	Synthesis of Supervisory Control With Partial Observation on Normal State-Tree Structures. IEEE Transactions on Automation Science and Engineering, 2019, 16, 984-997.	3.4	26

#	Article	IF	Citations
19	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.	3.6	13
20	An improved approach for marking optimization of timed weighted marked graphs. Discrete Event Dynamic Systems: Theory and Applications, 2019, 29, 127-143.	0.6	3
21	Most permissive liveness-enforcing Petri net supervisors for discrete event systems via linear monitors. ISA Transactions, 2019, 92, 145-154.	3.1	6
22	K-Codiagnosability Verification of Labeled Petri Nets. IEEE Access, 2019, 7, 185055-185062.	2.6	13
23	Fault Identification of Discrete Event Systems Modeled by Petri Nets With Unobservable Transitions. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 333-345.	5.9	56
24	Robust Deadlock Control for Automated Manufacturing Systems With Unreliable Resources Based on Petri Net Reachability Graphs. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1371-1385.	5.9	83
25	Priority-free conditionally-preemptive scheduling of modular sporadic real-time systems. Automatica, 2018, 89, 392-397.	3.0	13
26	Performance Optimization for Timed Weighted Marked Graphs Under Infinite Server Semantics. IEEE Transactions on Automatic Control, 2018, 63, 2573-2580.	3.6	19
27	Current-state opacity enforcement in discrete event systems under incomparable observations. Discrete Event Dynamic Systems: Theory and Applications, 2018, 28, 161-182.	0.6	64
28	Stealthy Attacks for Partially-Observed Discrete Event Systems. , 2018, , .		23
29	Firing Rate Optimization of Deterministic Timed Event Graphs by Server Performance Improvement. IEEE Access, 2018, 6, 70866-70873.	2.6	3
30	Liveness characteristic analysis of a class of Petri nets. Advances in Mechanical Engineering, 2018, 10, 168781401878148.	0.8	0
31	Model-based fault identification of discrete event systems using partially observed Petri nets. Automatica, 2018, 96, 201-212.	3.0	74
32	Supervisory control of state-tree structures with partial observation. Information Sciences, 2018, 465, 523-544.	4.0	17
33	Optimization of Deterministic Timed Weighted Marked Graphs. IEEE Transactions on Automation Science and Engineering, 2017, 14, 1084-1095.	3.4	26
34	Optimal Priority-Free Conditionally-Preemptive Real-Time Scheduling of Periodic Tasks Based on DES Supervisory Control. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1082-1098.	5.9	35
35	Characterization of Admissible Marking Sets in Petri Nets With Conflicts and Synchronizations. IEEE Transactions on Automatic Control, 2017, 62, 1329-1341.	3.6	68
36	Decidability of opacity verification problems in labeled Petri net systems. Automatica, 2017, 80, 48-53.	3.0	54

#	Article	IF	Citations
37	Deadlock and liveness characterization for a class of generalized Petri nets. Information Sciences, 2017, 420, 403-416.	4.0	10
38	Verification of State-Based Opacity Using Petri Nets. IEEE Transactions on Automatic Control, 2017, 62, 2823-2837.	3.6	199
39	Cycle Time Optimization of Deterministic Timed Weighted Marked Graphs by Transformation. IEEE Transactions on Control Systems Technology, 2017, 25, 1318-1330.	3.2	18
40	Resource Configuration Analysis for a Class of Petri Nets Based on Strongly Connected Characteristic Resource Subnets. IEEE Access, 2017, 5, 26376-26386.	2.6	8
41	Optimization of deterministic timed weighted marked graphs. , 2017, , .		0
42	On the Equivalence of Observation Structures for Petri Net Generators. IEEE Transactions on Automatic Control, 2016, 61, 2448-2462.	3.6	66
43	Marking optimization of deterministic timed weighted marked graphs under infinite server semantics. , 2016, , .		1
44	Cycle time optimization of deterministic timed weighted marked graphs. , 2015, , .		3
45	Design of Optimal Petri Net Controllers for Disjunctive Generalized Mutual Exclusion Constraints. IEEE Transactions on Automatic Control, 2015, 60, 1774-1785.	3.6	107
46	Dynamic Low-Power Reconfiguration of Real-Time Systems With Periodic and Probabilistic Tasks. IEEE Transactions on Automation Science and Engineering, 2015, 12, 258-271.	3.4	107
47	Marking optimization of deterministic timed weighted marked graphs. , 2014, , .		7
48	Deadlock Control of Automated Manufacturing Systems Based on Petri Netsâ€"A Literature Review. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2012, 42, 437-462.	3.3	249
49	Optimistic Fault Diagnosis in Discrete Event Systems by Labeled Petri Nets and Basis Markings. International Journal of Control, Automation and Systems, 0, , .	1.6	0