Yi-Sheng Huang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1820958/publications.pdf

Version: 2024-02-01

49 papers	727 citations	623734 14 h-index	677142 22 g-index
50 all docs	50 docs citations	50 times ranked	530 citing authors

#	Article	IF	Citations
1	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
2	Eco-driving of electric vehicles with integrated motion and battery dynamics. , 2019, , .		0
3	Design of Regulatory Traffic Light Control Systems with Synchronized Timed Petri Nets. Asian Journal of Control, 2018, 20, 174-185.	3.0	17
4	Deadlock prevention technique using additional transitions for 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, 483-493.	1.1	1
5	Special Issue on Modeling, Simulation, Operation and Control of Discrete Event Systems. Applied Sciences (Switzerland), 2018, 8, 202.	2.5	3
6	Schedulability analysis for dual-armed cluster tools with mixed-processing of multi-variety wafers. , 2017, , .		0
7	Based on simulation method for solving traffic jam problems. , 2016, , .		0
8	Control strategies for solving the problem of traffic congestion. IET Intelligent Transport Systems, 2016, 10, 642-648.	3.0	15
9	Analysis of urban traffic jam control strategies using simulation technology. , 2016, , .		4
10	Active islanding detection method via current injection disturbance using Elman neural network. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers,Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 2015, 38, 517-535.	1.1	6
11	Design of Traffic Safety Control Systems for Railroads and Roadways Using Timed <scp>P</scp>etri Nets. Asian Journal of Control, 2015, 17, 626-635.	3.0	12
12	Design of Traffic Safety Control Systems for Emergency Vehicle Preemption Using Timed Petri Nets. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 2113-2120.	8.0	63
13	Discrete-event controller synthesis based on state space models. , 2015, , .		0
14	Modelling of traffic safety control systems using timed Petri nets. , 2014, , .		2
15	Modular Design of Urban Traffic-Light Control Systems Based on Synchronized Timed Petri Nets. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 530-539.	8.0	65
16	A green wave band based method for urban arterial signal control. , 2014, , .		11
17	Enhancement of an efficient control policy for FMSs using the theory of regions and selective siphon method. International Journal of Advanced Manufacturing Technology, 2013, 66, 1805-1815.	3.0	16
18	Design of elevator control systems using statecharts. , 2013, , .		1

#	Article	IF	Citations
19	Intelligent-controlled doubly fed induction generator system using PFNN. Neural Computing and Applications, 2013, 22, 1695-1712.	5.6	9
20	Computationally Improved Optimal Control Methodology for Linear Programming Problems of Flexible Manufacturing Systems. Journal of Applied Mathematics, 2013, 2013, 1-11.	0.9	10
21	Active islanding detection method using d â€axis disturbance signal injection with intelligent control. IET Generation, Transmission and Distribution, 2013, 7, 537-550.	2.5	33
22	Using theory of regions with selective siphon control for deadlock prevention policy in Petri nets. , 2012, , .		3
23	Computationally Improved Optimal Deadlock Control Policy for Flexible Manufacturing Systems. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2012, 42, 404-415.	2.9	73
24	Modelling of emergency vehicle preemption systems using statecharts. , 2011, , .		6
25	Modelling and analysis of air traffic control systems using hierarchical timed coloured Petri nets. Transactions of the Institute of Measurement and Control, 2011, 33, 30-49.	1.7	21
26	Fault measure of discrete event systems using probabilistic timed automata. , 2011, , .		2
27	An efficient deadlock prevention policy for FMSs using reduction method and theory of regions. , 2011, , .		2
28	Synthesis of deadlock prevention policy using Petri nets reachability graph technique. Asian Journal of Control, 2010, 12, 336-346.	3.0	28
29	Enhancement of an efficient liveness-enforcing supervisor for flexible manufacture systems. International Journal of Advanced Manufacturing Technology, 2010, 48, 725-737.	3.0	29
30	Petri-net-based supervisory control for FMSs using the theory of regions. , 2010, , .		3
31	A Full- and Half-Cycle DFT-based technique for fault current filtering. , 2010, , .		27
32	Function-Based Controller for Linear Motor Control Systems. IEEE Transactions on Industrial Electronics, 2010, 57, 1096-1105.	7.9	47
33	Enhancement of an deadlock prevention policy for FMSs using theory of regions. , 2010, , .		3
34	An improved deadlock prevention strategy for FMSs using theory of regions. , 2010, , .		4
35	Modeling and analysis of traffic light controller using Statechart. , 2010, , .		1
36	Critical Scenarios and Their Identification in Parallel Railroad Level Crossing Traffic Control Systems. IEEE Transactions on Intelligent Transportation Systems, 2010, 11, 968-977.	8.0	47

#	ARTICLE	IF	CITATIONS
37	Reduced order fuzzy sliding mode control for linear synchronous motor systems. , 2010, , .		1
38	Implementation of a fast terminal sliding mode controller for direct thrust control systems. , 2009, , .		1
39	An efficient liveness enforcing supervisor for FMSs based on Petri nets and the theory of regions. , 2009, , .		1
40	Based on Direct Thrust Control for Linear Synchronous Motor Systems. IEEE Transactions on Industrial Electronics, 2009, 56, 1629-1639.	7.9	46
41	A Supervisor of Traffic Light Systems Using Statecharts. , 2007, , .		5
42	Design of deadlock prevention supervisors using Petri nets. International Journal of Advanced Manufacturing Technology, 2007, 35, 349-362.	3.0	65
43	A Timed Coloured Petri Net Supervisor for Urban Traffic Networks. , 2006, , .		2
44	MODELING AND CONTROL OF ELEVATORS BY STATECHARTS. Asian Journal of Control, 2004, 6, 242-252.	3.0	10
45	Comparison of deadlock prevention policies in FMS based on Petri nets siphons. , 0, , .		2
46	A Siphon-based Deadlock Prevention Policy for Flexible Manufacturing Systems. , 0, , .		0
47	Modeling Traffic Signal Control Systems Using Timed Colour Petri Nets. , 0, , .		1
48	An iterative deadlock prevention policy for flexible manufacturing systems using petri nets. , 0, , .		1
49	Design and Analysis Urban Traffic Lights Using Timed Colour Petri Nets. , 0, , .		3