

# Bo Huang

## List of Publications by Year in descending order

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28  
papers

453  
citations

759233

12  
h-index

794594

19  
g-index

31  
all docs

31  
docs citations

31  
times ranked

310  
citing authors

#	ARTICLE	IF	CITATIONS
1	Scheduling Robotic Cellular Manufacturing Systems With Timed Petri Net, A* Search, and Admissible Heuristic Function. IEEE Transactions on Automation Science and Engineering, 2022, 19, 243-250.	5.2	12
2	Symbolic Scheduling of Robotic Cellular Manufacturing Systems With Timed Petri Nets. IEEE Transactions on Control Systems Technology, 2022, 30, 1876-1887.	5.2	12
3	Deadlock-free Supervisor Design for Robotic Manufacturing Cells With Uncontrollable and Unobservable Events. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 597-605.	13.1	27
4	Supervisor Synthesis for FMS Based on Critical Activity Places. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 881-890.	9.3	21
5	Detection of waterlogging stress based on hyperspectral images of oilseed rape leaves (Brassica napus) Tj ETQq1 1,0,784314,rgBT /O	7.7	29
6	Speedup Techniques for Multiobjective Integer Programs in Designing Optimal and Structurally Simple Supervisors of AMS. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 77-88.	9.3	27
7	Emergency Vehicle Preemption Control of T-shaped Intersection with Time Petri Nets. , 2018, , .		2
8	Hyperspectral Identification and Classification of Oilseed Rape Waterlogging Stress Levels Using Parallel Computing. IEEE Access, 2018, 6, 57663-57675.	4.2	13
9	Scheduling of FMS based on binary decision diagram and Petri net. , 2018, , .		3
10	Near-optimal and minimal PN supervisors of FMS with uncontrollability and unobservability. , 2017, , .		4
11	Place invariant simplification in optimal supervisor synthesis for FMS. , 2016, , .		0
12	Lexicographic Multiobjective Integer Programming for Optimal and Structurally Minimal Petri Net Supervisors of Automated Manufacturing Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2015, 45, 1459-1470.	9.3	31
13	Fast Synthesis of Optimal and Structurally Simple Supervisors for Automated Manufacturing Systems. , 2015, , .		0
14	On Further Reduction of Constraints in Nonpure Petri Net Supervisors for Optimal Deadlock Control of Flexible Manufacturing Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2015, 45, 542-543.	9.3	11
15	Synthesis of Petri net supervisors for FMS via redundant constraint elimination. Automatica, 2015, 61, 156-163.	5.0	28
16	Search strategy for scheduling flexible manufacturing systems simultaneously using admissible heuristic functions and nonadmissible heuristic functions. Computers and Industrial Engineering, 2014, 71, 21-26.	6.3	39
17	Heuristic Search for Scheduling Flexible Manufacturing Systems Using Multiple Heuristic Functions. Lecture Notes in Computer Science, 2014, , 178-187.	1.3	1
18	Research on action select strategy of robot soccer based on Petri net and position prediction. , 2012, , .		1

#	ARTICLE	IF	CITATIONS
19	A Novel Group-Based Handover Authentication Scheme with Privacy Preservation for Mobile WiMAX Networks. IEEE Communications Letters, 2012, 16, 1744-1747.	4.1	48
20	Scheduling FMS with alternative routings using Petri nets and near admissible heuristic search. International Journal of Advanced Manufacturing Technology, 2012, 63, 1131-1136.	3.0	33
21	An Energy-Efficient Cross-Layer Framework for Security in Wireless Sensor Networks. , 2011, , .		3
22	A hybrid heuristic search algorithm for scheduling FMS based on Petri net model. International Journal of Advanced Manufacturing Technology, 2010, 48, 925-933.	3.0	31
23	Scheduling FMS with a Hybrid Heuristic Search Algorithm. , 2009, , .		0
24	Automatic Web services composition based on SLM. Wuhan University Journal of Natural Sciences, 2008, 13, 425-428.	0.4	1
25	Modeling of Urban Traffic Systems Based on Fluid Stochastic Petri Nets. , 2008, , .		1
26	Scheduling of flexible manufacturing systems based on Petri nets and hybrid heuristic search. International Journal of Production Research, 2008, 46, 4553-4565.	7.5	46
27	Improved methods for scheduling flexible manufacturing systems based on Petri nets and heuristic search. Journal of Control Theory and Applications, 2005, 3, 139-144.	0.8	11
28	Modeling and analysis of industrial hybrid systems based on first order and second order FSPN. , 0, , .		0