Bengt Lennartson

List of Publications by Year
in descending order

20 papers	206 citations	6 h-index	9 g-index
20 all docs	20 docs citations	20 times ranked	148 citing authors

1478505

1474206

#	ARTICLE	IF	CITATIONS
1	Generating Optimized Trajectories for Robotic Spray Painting. IEEE Transactions on Automation Science and Engineering, 2022, 19, 1380-1391.	5.2	15
2	On Optimization of Automation Systems: Integrating Modular Learning and Optimization. IEEE Transactions on Automation Science and Engineering, 2022, 19, 1662-1674.	5.2	3
3	State-Labeled Safety Analysis of Modular Observers for Opacity Verification. , 2022, 6, 2936-2941.		4
4	Goal-Oriented Process Plans in a Multiagent System for Plug & Produce. IEEE Transactions on Industrial Informatics, 2021, 17, 2411-2421.	11.3	10
5	Energy Optimization of Large-Scale AGV Systems. IEEE Transactions on Automation Science and Engineering, 2021, 18, 638-649.	5.2	25
6	Using CP/SMT Solvers for Scheduling and Routing of AGVs. IEEE Transactions on Automation Science and Engineering, 2021, 18, 218-229.	5.2	14
7	Formal Properties of the Digital Twin â€" Implications for Learning, optimization, and Control. , 2020, , .		7
8	Instability Problems in Co-Simulation of Modular Systems. , 2020, , .		2
9	Robot spray painting trajectory optimization. , 2020, , .		8
10	Robust and energy efficient trajectories for robots in a common workspace setting. IISE Transactions, 2019, 51, 766-776.	2.4	0
11	Time-optimal control of large-scale systems of systems using compositional optimization. Discrete Event Dynamic Systems: Theory and Applications, 2019, 29, 411-443.	1.5	6
12	Scheduling and Routing of AGVs for Large-scale Flexible Manufacturing Systems. , 2019, , .		7
13	Enhancing Digital Twins through Reinforcement Learning. , 2019, , .		33
14	Simulation Based Energy Optimization of Robot Stations by Motion Parameter Tuning. , 2019, , .		4
15	Implementation of a Rapidly Executing Robot Controller. , 2019, , .		2
16	Compositional Optimization of Discrete Event Systems. , 2018, , .		5
17	Compositional Visible Bisimulation Abstraction Applied to Opacity Verification. IFAC-PapersOnLine, 2018, 51, 434-441.	0.9	11
18	Visible Bisimulation Equivalence â€" A Unified Abstraction for Temporal Logic Verification. IFAC-PapersOnLine, 2018, 51, 400-407.	0.9	3

#	Article	IF	Citations
19	Energy and Peak Power Optimization of Time-Bounded Robot Trajectories. IEEE Transactions on Automation Science and Engineering, 2017, 14, 646-657.	5.2	43
20	Decomposition and distributed algorithms for home healthcare routing and scheduling problem. , 2017, , .		4