Joanna van de Mortel-Fronczak

List of Publications by Year
in descending order

26 papers	173 citations	1478505 6 h-index	1372567 10 g-index
26 all docs	26 docs citations	26 times ranked	73 citing authors

#	Article	IF	Citations
1	Systematic Model-Based Design and Implementation of Supervisors for Advanced Driver Assistance Systems. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 533-544.	8.0	32
2	Supervisory control synthesis for a waterway lock. , 2017, , .		27
3	A Model-based Integration and Testing Method to Reduce System Development Effort. Electronic Notes in Theoretical Computer Science, 2006, 164, 13-28.	0.9	16
4	Structuring Multilevel Discrete-Event Systems With Dependence Structure Matrices. IEEE Transactions on Automatic Control, 2020, 65, 1625-1639.	5.7	13
5	Application of Dependency Structure Matrices and Multilevel Synthesis to a Production Line. , 2018, , .		12
6	Structuring multilevel discrete-event systems with dependency structure matrices. , 2017, , .		11
7	An Engineering Perspective on Model-Based Design of Supervisors. IFAC-PapersOnLine, 2018, 51, 257-264.	0.9	7
8	Finite Response and Confluence of State-based Supervisory Controllers. , 2019, , .		7
9	The Impact of Requirement Splitting on the Efficiency of Supervisory Control Synthesis. Lecture Notes in Computer Science, 2019, , 76-92.	1.3	7
10	Synthesized fault-tolerant supervisory controllers, with an application to a rotating bridge. Computers in Industry, 2021, 130, 103473.	9.9	6
11	Supervisory control synthesis for large-scale systems with isomorphisms. Control Engineering Practice, 2021, 115, 104902.	5.5	5
12	Simultaneous analysis and design based optimization for paper path and timing design of a high-volume printer. Mechatronics, 2017, 41, 82-89.	3.3	4
13	Supervisory Control of Multilevel Discrete-Event Systems with a Bus Structure. , 2019, , .		4
14	Model properties for efficient synthesis of nonblocking modular supervisors. Control Engineering Practice, 2021, 112, 104830.	5.5	4
15	Design of a Supervisor Platform for Movable Bridges. , 2020, , .		3
16	Compositional coordinator synthesis of extended finite automata. Discrete Event Dynamic Systems: Theory and Applications, 2021, 31, 317-348.	1.5	3
17	Synthesis-Based Engineering of Supervisory Controllers for Autonomous Robotic Navigation. IFAC-PapersOnLine, 2021, 54, 259-264.	0.9	3
18	2.2.2 Integration and test strategies for semiconductor manufacturing equipment1. Incose International Symposium, 2006, 16, 270-284.	0.6	2

#	Article	IF	Citations
19	Hardware-in-the-loop Set-up for Supervisory Controllers with an Application: the Prinses Marijke Complex. , 2019, , .		2
20	2.2.1 Test time reduction by optimal test sequencing1. Incose International Symposium, 2006, 16, 259-269.	0.6	1
21	Synthesis of discrete-event controllers from sequence-based specifications. , 2015, , .		1
22	Exploiting Symmetry in Dependency Graphs for Model Reduction in Supervisor Synthesis. , 2020, , .		1
23	Efficient failure-recovering supervisors. IFAC-PapersOnLine, 2020, 53, 1755-1762.	0.9	1
24	Decision making for autonomous vehicles: Combining safety and optimality. IFAC-PapersOnLine, 2020, 53, 15380-15387.	0.9	1
25	8.2.3 Optimal integration and test planning applied to lithographic systems1. Incose International Symposium, 2007, 17, 1304-1316.	0.6	0
26	Quantifying model quality for supervisory control synthesis - an experimental study. IFAC-PapersOnLine, 2020, 53, 437-444.	0.9	0