Georg Frey

List of Publications by Year
in descending order

183 papers	**1,499** citations	567281 **15** h-index	526287 **27** g-index
191 all docs	**191** docs citations	**191** times ranked	**956** citing authors

#	Article	IF	Citations
1	Electric Vehicle Battery Storage Concentric Intelligent Home Energy Management System Using Real Life Data Sets. Energies, 2022, 15, 1619.	3.1	6
2	Multi-Objective Techno-Economic Optimization of Design Parameters for Residential Buildings in Different Climate Zones. Sustainability, 2022, 14, 65.	3.2	9
3	A Rule-based Expert System for Home Power Management Incorporating Real-Life Data Sets. , 2022, , .		2
4	Integration einer Power-to-Gas-Anlage. Atp Magazin, 2022, 63, 68-75.	0.5	0
5	Modeling Methodology for Reconfigurable Distributed Systems using Transformations from GR-UML to GR-TNCES and IEC 61499. , 2021, , .		3
6	A Software Framework for Context-aware Secure Intelligent Applications of Distributed Systems. , 2021, , .		1
7	Forecast Quality of Physics-Based and Data-Driven PV Performance Models for a Small-Scale PV System. Frontiers in Energy Research, 2021, 9, .	2.3	9
8	Rolling Horizon Based Time-Triggered Distributed Control for AC/DC Home Area Power Network. IEEE Transactions on Industry Applications, 2021, 57, 4021-4032.	4.9	5
9	On Parametrizing Feasible Reconfigurable Systems Under Real-Time, Energy, and Resource Sharing Constraints. IEEE Transactions on Automation Science and Engineering, 2021, 18, 1492-1504.	5.2	1
10	The Role of Battery Storage in PV-Diesel Microgrid Simulation-Based Analysis. , 2021, , .		1
11	Towards zero energy solar households â€" A model-based simulation and optimization analysis for a humid subtropical climate. Sustainable Energy Technologies and Assessments, 2021, 48, 101574.	2.7	17
12	A Software Framework for Context-aware Secure Intelligent Applications of Distributed Systems. , 2021, , .		0
13	Ganzheitliche IT-Security Reifegradbestimmung. Atp Magazin, 2021, 63, 78-85.	0.5	0
14	Reconfiguration Control of Dynamic Reconfigurable Discrete Event Systems Based on NCESs. IEEE Transactions on Control Systems Technology, 2020, 28, 857-868.	5.2	10
15	Two-Stage Multi-time Scale Energy Management & Control framework for Home Area Power Network. , 2020, , .		4
16	Guest Editorial Special Section on the 2018 Conference on Automation Science and Engineering (CASE). IEEE Transactions on Automation Science and Engineering, 2020, 17, 1182-1183.	5.2	0
17	A Policy for Efficient Utilization of a Shared Energy Back-Up System. , 2020, , .		0
18	Stochastic Optimization Scheme to Schedule Energy Supply and Demands in an Islanded Microgrid. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
19	Office Appliances Identification and Monitoring using Deep Leaning based Energy Disaggregation for Smart Buildings. , 2020, , .		2
20	A guidance framework for synthesis of multi-core reconfigurable real-time systems. Information Sciences, 2020, 539, 327-346.	6.9	1
21	Scheduling periodic and aperiodic tasks with time, energy harvesting and precedence constraints on multi-core systems. Information Sciences, 2020, 520, 86-104.	6.9	8
22	New Approach for Deadline Calculation of Periodic, Sporadic and Aperiodic Real-time Software Tasks. , 2020, , .		1
23	Hybrid Context-awareness Modelling and Reasoning Approach for Microgrid's Intelligent Control. , 2020, , .		2
24	Modeling and Optimizing Energy Supply and Demand in Home Area Power Network (HAPN). IEEE Access, 2020, 8, 2052-2072.	4.2	9
25	Meta-Model for Control Applications of Microgrids. , 2020, , .		2
26	Modeling, Simulation and Verification of Probabilistic Reconfigurable Discrete-Event Systems Under Energy and Memory Constraints. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2019, 43, 229-243.	2.3	3
27	Model Centric Development of Genetic Algorithm Based Optimal Load Scheduler for Smart Home. , 2019, , .		0
28	Performance modeling of PVT collectors: Implementation, validation and parameter identification approach using TRNSYS. Solar Energy, 2019, 193, 51-64.	6.1	46
29	Optimal Scheduling of Energy Supply Entities in Home Area Power Network. , 2019, , .		5
30	Modeling and Verification of a Reliable Multi-Agent Solution Promoting the Autonomy and Self-Sufficiency of Microgrids in an Isolated Location. IEEE Access, 2019, 7, 55090-55107.	4.2	3
31	Context-free Forbidden Path Control of Net Condition/Event Systems. , 2019, , .		0
32	IEEE International Conference on Automation Science and Engineering 2018. Automatisierungstechnik, 2019, 67, 443-444.	0.8	0
33	Building a Smart Domestic Water Management Controller. , 2019, , .		0
34	Designing Efficient Reconfigurable Control Systems Using IEC61499 and Symbolic Model Checking. IEEE Transactions on Automation Science and Engineering, 2019, 16, 1110-1124.	5.2	10
35	Multiobjective Optimization Approach for a Portable Development of Reconfigurable Real-Time Systems: From Specification to Implementation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 623-637.	9.3	40
36	Portable Synthesis of Multi-core Real-Time Systems with Reconfiguration Constraints. Communications in Computer and Information Science, 2019, , 165-185.	0.5	0

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37	Analysis and Control of Dynamic Reconfiguration Processes of Manufacturing Systems. IEEE Access, 2018, 6, 28028-28040.	4.2	22
38	Modeling and simulation of local flexibilities and their effect to the entire power system. Computer Science - Research and Development, 2018, 33, 49-60.	2.7	2
39	Shortest Legal Firing Sequence of Net Condition/Event Systems Using Integer Linear Programming. , 2018, , .		7
40	Thermoelectric Applications for Home Use: Thermostat and Green Barbecue 2.0. Materials Today: Proceedings, 2018, 5, 10283-10290.	1.8	2
41	Welcome Message from General and Program Chairs. , 2018, , .		0
42	Forecast-Driven Power Planning Approach for Microgrids Incorporating Smart Loads Using Stochastic Optimization. , 2018, , .		0
43	SoMAS Based Cooperative Control for Cyber Physical Energy Systems. , 2018, , .		0
44	Simulation and analysis of reconfigurable assembly systems based on R-TNCES. 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, 494-502.	1.1	3
45	52. Regelungstechnisches Kolloquium. Automatisierungstechnik, 2018, 66, 1083-1085.	0.8	0
46	Multi-objective optimization for scheduling isolated microgrids. , 2018, , .		2
47	Model-based analysis of the performance and the environmental impact of solar thermal and heat pump systems. , 2018, , .		2
48	Stochastic optimization framework for scheduling isolated microgrids. , 2018, , .		2
49	From Specification to Implementation of an Automotive Transport System. Communications in Computer and Information Science, 2018, , 49-68.	0.5	0
50	Battery management system in isolated microgrids considering forecast uncertainty. , 2018, , .		4
51	Implementation and Experimental Validation of a Photovoltaic-Thermal (PVT) Collector Model in TRNSYS. , 2018, , .		7
52	A New Approach for Optimal Implementation of Multi-core Reconfigurable Real-time Systems. , 2018, , .		2
53	Scheduling Smart Loads in Modern Buildings based on Metaheuristic Optimization. , 2018, , .		0
54	Using Modelling and Simulation as a Service (MSaaS) for Facilitating Flexibility-based Optimal Operation of Distribution Grids. , 2018, , .		0

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55	Scheduling Smart Loads in Modern Buildings based on Metaheuristic Optimization. , 2018, , .		0
56	Using Modelling and Simulation as a Service (MSaaS) for Facilitating Flexibility-based Optimal Operation of Distribution Grids. , 2018, , .		0
57	A user-friendly simulation framework for the analysis of solar thermal and heat pump systems using TRNSYS. , 2017, , .		3
58	Simulation and performance analysis of combined parallel solar thermal and ground or air source heat pump systems. Solar Energy, 2017, 150, 500-511.	6.1	36
59	A TRNSYS-based simulation framework for the analysis of solar thermal and heat pump systems. Applied Solar Energy (English Translation of Geliotekhnika), 2017, 53, 126-137.	1.6	13
60	PV-battery-diesel microgrid design for buildings subject to severe power outages. , 2017, , .		9
61	Short term load forecasting using hybrid adaptive fuzzy neural system: The performance evaluation. , 2017, , .		12
62	Load control for supply-demand balancing under Renewable Energy forecasting. , 2017, , .		6
63	PV-Battery-Diesel microgrid layout design based on stochastic optimization. , 2017, , .		10
64	Modeling of a Heat Pipe for Using in Thermoelectric Energy Harvesting Systems. Springer Proceedings in Energy, 2017, , 183-190.	0.3	1
65	BROMETH: Methodology to design safe reconfigurable medical robotic systems. International Journal of Medical Robotics and Computer Assisted Surgery, 2017, 13, e1786.	2.3	20
66	Real-time power balancing in photovoltaic-integrated smart micro-grid. , 2017, , .		8
67	Activation of electrical loads under electricity price uncertainty. , 2017, , .		3
68	Optimized Design of Thermoelectric Energy Harvesting Systems for Waste Heat Recovery from Exhaust Pipes. Applied Sciences (Switzerland), 2017, 7, 634.	2.5	15
69	Model-Based Analysis of Solar Thermal and Heat Pump Systems Using TRNSYS. , 2017, , .		4
70	Specification Approach using GR-TNCES: Application to an Automotive Transport System. , 2017, , .		2
71	New Verification Approach for Reconfigurable Distributed Systems. , 2017, , .		4
72	Context-awareness Meta-model for Reconfigurable Control Systems. , 2017, , .		3

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73	Priced discrete Automata for modeling energy efficient manufacturing systems. , 2016, , .		0
74	Thermoelectric power generation: Peltier element versus thermoelectric generator. , 2016, , .		32
75	R-UML: An UML Profile for Verification of Flexible Control Systems. Communications in Computer and Information Science, 2016, , 118-136.	0.5	2
76	Energy management for islanded buildings integrating renewables and diesel generators. , 2016, , .		12
77	Model-driven soft sensor for predicting biomass calorific value in combustion power plants. , 2016, , .		3
78	Predictive power management for a solar-powered off-grid surface water quality monitoring system. , 2016, , .		3
79	Enabling reconfiguration of adaptive control systems using real-time context-aware framework. , 2016, , .		3
80	Reconfigurable function blocks: Extension to the standard IEC 61499. , 2016, , .		4
81	Soft-sensing of key process variables in a biomass combustion plant. , 2016, , .		1
82	Multiphysics Simulation in the Development of Thermoelectric Energy Harvesting Systems. Journal of Electronic Materials, 2016, 45, 1408-1411.	2.2	4
83	Modeling and Simulation of an Energy Efficient Skid Conveyor using ZIZO. , 2016, , .		2
84	Optimal Startup Control of a Steam Power Plant Using the JModelica Platform. IFAC-PapersOnLine, 2015, 48, 204-209.	0.9	18
85	Multi-domain modeling of distributed energy systems - The MOCES approach. , 2015, , .		5
86	Abschied von Prof. Dr.-Ing. habil. Lothar Litz. Automatisierungstechnik, 2015, 63, 937-938.	0.8	0
87	Energy management systems for hospitals in Gaza-strip. , 2015, , .		14
88	Modeling and Verification of Reconfigurable and Energy-Efficient Manufacturing Systems. Discrete Dynamics in Nature and Society, 2015, 2015, 1-14.	0.9	26
89	Mathematical Problems in Petri Nets Theory and Applications. Mathematical Problems in Engineering, 2015, 2015, 1-2.	1.1	0
90	Towards a Safer and More Optimal Treatment of the Supracondylar Humerus Fracture. Communications in Computer and Information Science, 2015, , 403-423.	0.5	0

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91	A biomass combustion plant model for optimal control applications - The effect of key variables on combustion dynamics. , 2015, , .		2
92	Efficient Models of Partially Shaded PV Modules for Energy System Design. Springer Proceedings in Energy, 2015, , 441-447.	0.3	0
93	A Method for Building a Simple and Applicable Power Inverter. Springer Proceedings in Energy, 2015, , 357-367.	0.3	3
94	Reconfigurable Coordination of Distributed Discrete Event Control Systems. IEEE Transactions on Control Systems Technology, 2015, 23, 323-330.	5.2	108
95	Energy Efficiency Engineeringâ€"Towards an Integrated Method Framework for Energy-Oriented Product and Production Development. Springer Proceedings in Energy, 2015, , 291-297.	0.3	6
96	Energy Harvesting from Open Fireplaces. Springer Proceedings in Energy, 2015, , 525-531.	0.3	4
97	MODEL-BASED SYSTEM ASSESSMENT OF THERMOELECTRIC ENERGY HARVESTING FROM THE EXHAUST GAS PIPE OF OIL-FIRED HEATINGS. MM Science Journal, 2015, 2015, 570-575.	0.4	3
98	ZiZo: Modeling, Simulation and Verification of Reconfigurable Real-time Control Tasks Sharing Adaptive Resources - Application to the Medical Project BROS. , 2015, , .		6
99	GR-TNCES: New Extensions of R-TNCES for Modelling and Verification of Flexible Systems under Energy and Memory Constraints. , 2015, , .		8
100	Transformation from R-UML to R-TNCES: New Formal Solution for Verification of Flexible Control Systems. , 2015, , .		1
101	Modeling and simulation of a thermoelectric Energy Harvesting System for control design purposes. , 2014, , .		6
102	Re-use of existing simulation models for DCS engineering via the Functional Mock-up Interface. , 2014, , .		15
103	&#x0022;OWLracle&#x0022; &#x2014; Predicting the impact of interdisciplinary energy efficiency methods at German universities using BCVTB. , 2014, , .		0
104	Toward a decentralized forecast system for distributed power generation. , 2014, , .		1
105	Design of distributed energy systems: Role and requirements of modeling and simulation. , 2014, , .		2
106	Component-Oriented Modeling of Thermoelectric Devices for Energy System Design. IEEE Transactions on Industrial Electronics, 2014, 61, 1301-1310.	7.9	54
107	A Component-Oriented Model for Wastewater Pumping Plants. Lecture Notes in Electrical Engineering, 2014, , 281-295.	0.4	0
108	Energy engineering in the virtual factory. , 2013, , .		5

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109	Engineering a Predictive Energy Consumption Model for University Properties. , 2013, , .		1
110	Verifikation und Validierung sicherheitsgerichteter SPS-Programme. Informatik Aktuell, 2013, , 107-116.	0.6	0
111	OOAD-Entwicklungsprozess einer Modelica-Bibliothek fÃ¼r vernetzte Automatisierungssysteme. Automatisierungstechnik, 2013, 61, 131-140.	0.8	0
112	On Formal Verification of Function Block Applications in Safety-related Software Development. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 109-114.	0.4	2
113	Message from program co-chairs. , 2013, , .		0
114	Function Block Diagram to UPPAAL Timed Automata Transformation Based on Formal Models. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 1653-1659.	0.4	10
115	Transformation of Function Block Diagrams to UPPAAL timed automata for the verification of safety applications. Annual Reviews in Control, 2012, 36, 338-345.	7.9	25
116	Modeling wastewater pumping stations for cost-efficient control. , 2012, , .		2
117	Object-oriented simulation model of thermoelectric devices for energy system design. , 2012, , .		9
118	Modeling of Networked Automation Systems for simulation and model checking of time behavior. , 2012, , .		8
119	“Safety automata” — A new specification language for the development of PLC safety applications. , 2012, , .		4
120	Model-based design and validation of waste heat recovery systems. , 2012, , .		4
121	Towards an automated verification process for industrial safety applications. , 2011, , .		3
122	An MDD process for IEC 61131-based industrial automation systems. , 2011, , .		38
123	Multi-Phase Markov models for functional safety prediction: Efficient simulation of Markov models used for safety engineering and the online integration of individual systems' diagnostic and maintenance history. , 2011, , .		2
124	Towards a Model-Driven IEC 61131-Based Development Process in Industrial Automation. Journal of Software Engineering and Applications, 2011, 04, 217-226.	1.1	79
125	Markov Modeling of Delays in Networked Automation and Control Systems Using Colored Petri Net Models Simulation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 2731-2736.	0.4	5
126	Verification and validation of safety applications based on PLCopen safety function blocks. Control Engineering Practice, 2011, 19, 929-946.	5.5	39

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127	Component-oriented ORC plant modeling for efficient system design and profitability prediction. , 2011, , .		8
128	A methodology to upgrade legacy industrial systems to meet safety regulations. , 2011, , .		6
129	Modeling and control of closed-loop networked PLC-systems. , 2011, , .		7
130	Comparison of 4 numerical solvers for stiff and hybrid systems simulation. , 2010, , .		12
131	Modellierung und Simulation vernetzter Automatisierungs- und Regelungssysteme in ModelicaModeling and Simulation of Networked Automation and Control Systems in Modelica. Automatisierungstechnik, 2009, 57, .	0.8	2
132	Estimating delays in networked control systems using colored Petri nets and Markov chain models. , 2009, , .		9
133	Evaluation of Indoor Positioning Technologies under industrial application conditions in the SmartFactoryKL based on EN ISO 9283. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 870-875.	0.4	16
134	Combining IEC 61499 and ISA S88 for Batch Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 187-192.	0.4	10
135	Verification and Validation of Safety Applications based on PLCopen Safety Function Blocks using Timed Automata in Uppaal. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 34-39.	0.4	14
136	Feasibility analysis for networked control systems by simulation in Modelica. , 2008, , .		2
137	An IEC 61499 interpretation and implementation focused on usability. , 2008, , .		7
138	Component based colored Petri net model for Ethernet based networked control systems. , 2008, , .		8
139	Reactivity analysis of different Networked Automation System architectures. , 2008, , .		8
140	Intelligent component based batch control using IEC61499 and ANSI/ISA S88. , 2008, , .		9
141	Comparing Simulative and Formal Methods for the Analysis of Response Times in Networked Automation Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 5113-5118.	0.4	8
142	Simulation approach for evaluating response times in networked automation systems. , 2007, , .		9
143	Wahrscheinlichkeitsbasierte Modellverifikation Netzbasierter Automatisierungssysteme (Probabilistic Model Checking of Networked Automation Systems). Automatisierungstechnik, 2007, 55, 624-633.	0.8	0
144	Measuring the impact of vertical integration on response times in ethernet fieldbuses. , 2007, , .		15

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145	DesLaNAS - a language for describing Networked Automation Systems. , 2007, , .		6
146	Software quality measures to determine the diagnosability of PLC applications. , 2007, , .		8
147	PROBABILISTIC TIMED AUTOMATA FOR MODELING NETWORKED AUTOMATION SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 1-6.	0.4	6
148	DEVELOPMENT PROCESS FOR DEPENDABLE HIGH-PERFORMANCE CONTROLLERS USING PETRI NETS AND FPGA TECHNOLOGY. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 139-144.	0.4	3
149	Development process for distributed automation systems combining UML and IEC 61499. International Journal of Manufacturing Research, 2007, 2, 1.	0.2	18
150	FUNCTIONAL CONTROL OBJECTS IN DISTRIBUTED AUTOMATION SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 259-264.	0.4	3
151	OPERATION MODES HANDLING IN DISTRIBUTED AUTOMATION SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 109-114.	0.4	7
152	Deployment of IEC 61499 compliant distributed control applications. , 2007, , .		6
153	Defining IEC 61499 Compliance Profiles using UML and OCL. , 2007, , .		4
154	A Toolbox for the Development of Logic Controllers using Petri Nets. , 2006, , .		14
155	Optimizing Quality of Control in Networked Automation Systems using Probabilistic Models. , 2006, , .		10
156	A Formal Method Based Re-Implementation Concept for PLC Programs and Its Application. , 2006, , .		11
157	PRODUCT-DRIVEN CONTROL IN MANUFACTURING SYSTEMS USING IEC 61499 AND RFID TECHNOLOGY. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 143-148.	0.4	4
158	AUCTION-BASED AGENT-ORIENTED PROCESS CONTROL. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 447-452.	0.4	0
159	PROBABILISTIC HYBRID AUTOMATA WITH VARIABLE STEP WIDTH APPLIED TO THE ANAYLSIS OF NETWORKED AUTOMATION SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 283-288.	0.4	3
160	DEPENDABILITY ANALYSIS OF NETWORKED AUTOMATION SYSTEMS BY PROBABILISTIC DELAY TIME ANALYSIS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 269-274.	0.4	2
161	Combination of UML Modeling and the IEC 61499 Function Block Concept for the Development of Distributed Automation Systems. , 2006, , .		22
162	UML-based Development Process for IEC 61499 with Automatic Test-case Generation. , 2006, , .		34

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163	Evaluation of Response Time in Ethernet-based Automation Systems. , 2006, , .		9
164	UML-based Approach for the Re-Engineering of PLC Programs. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	13
165	Dependability analysis of networked automation systems by probabilistic delay time analysis. , 2006, , 265-270.		1
166	PLC Programming with Signal Interpreted Petri Nets. Lecture Notes in Computer Science, 2003, , 440-449.	1.3	26
167	Designing fault-tolerant controllers using SIPN and model-checking. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 113-118.	0.4	3
168	Hierarchical Design of Logic Controllers Using Signal Interpreted Petri Nets. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 361-366.	0.4	9
169	Panel discussion on "formal methods in plc control". , 2002, , .		0
170	Controller design for an FMS using Signal Interpreted Petri Nets and SFC: Validation of both descriptions via model-checking. , 2002, , .		13
171	Entwurf und formale Analyse Petrinetz-basierter Steuerungsalgorithmen. Automatisierungstechnik, 2002, 50, 458.	0.8	0
172	Visual PLC-programming using signal interpreted Petri nets. , 2002, , .		27
173	Assembly line sequencing based on Petri-net T-invariants. Control Engineering Practice, 2000, 8, 63-69.	5.5	10
174	Petri Net-Based Descriptions for Discrete-Continuous Systems. Automatisierungstechnik, 2000, 48, 415.	0.8	7
175	Modellierung flexibler Fertigungslinien und Bestimmung gültiger Produktionsfolgen mit Hilfe einer ereignisdiskreten Zustandsbeschreibung (Modelling of Flexible Assembly Lines and Production) Tj ETQq1 1 0.784314 rgBT /Overlock 1	14	
176	ÃœBERSICHTSAUFSATZ Â· SURVEY PAPER: Methoden und Werkzeuge zum industriellen Steuerungsentwurf - Historie, Stand, Ausblick. Automatisierungstechnik, 1999, 47, 145-156.	0.8	2
177	Steuerungsentwurfstool Netmate. Automatisierungstechnik, 1997, 45, 304-305.	0.8	2
178	Migration of a PLC Controller to an IEC 61499 Compliant Distributed Control System: Hands-on Experiences. , 0, , .		26
179	Formalization and Visualization of Non-binary PLC Programs. , 0, , .		6
180	Development of re-configurable distributed controllers in 61499 based on task schedules described by UML diagrams or gantt charts. , 0, , .		6

#	ARTICLE	IF	CITATIONS
181	Modeling Techniques for Distributed Control Systems Based on the IEC 61499 Standard É©Ä» Current Approaches and Open Problems. , 0, , .		22
182	Designing generic/reusable functionality based controllers for distributed control using UML. , 0, , .		11
183	A Cloud-native Implementation of the Simulation as a Service-Concept Based on FMI. , 0, , .		1