

# Michael Freitag

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

147  
papers

1,237  
citations

18  
h-index

30  
g-index

163  
ext. papers

1,564  
ext. citations

1.9  
avg, IF

5.38  
L-index

#	Paper	IF	Citations
147	Planung von Assistenzsystemen für die industrielle Montage. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , <b>2022</b> , 117, 157-163	0.5	
146	Challenges and Approaches of Non-pharmaceutical Interventions for Airport Operations During Pandemic Situations. <i>Lecture Notes in Logistics</i> , <b>2022</b> , 52-64	0.5	
145	An Inter-organizational Digital Platform for Efficient Container Transportation. <i>Lecture Notes in Logistics</i> , <b>2022</b> , 290-300	0.5	1
144	Towards individualized shoes: Deep learning-based fault detection for 3D printed footwear. <i>Procedia CIRP</i> , <b>2022</b> , 107, 196-201	1.8	
143	Human-Centered Design of Cognitive Assistance Systems for Industrial Work. <i>Procedia CIRP</i> , <b>2022</b> , 107, 233-238	1.8	
142	Autonomous, low-cost sensor module for fill level measurement for a self-learning electronic Kanban system. <i>IFAC-PapersOnLine</i> , <b>2021</b> , 54, 623-628	0.7	
141	Conceptual Model for Integrated Production and Maintenance Planning with Automated Prognostic Method Selection. <i>IFAC-PapersOnLine</i> , <b>2021</b> , 54, 635-640	0.7	0
140	Prognostic Methods for Predictive Maintenance: A generalized Topology. <i>IFAC-PapersOnLine</i> , <b>2021</b> , 54, 629-634	0.7	
139	Automobile Logistics 4.0: Advances Through Digitalization <b>2021</b> , 197-226		
138	Autonomous Control of Logistic Processes: A Retrospective <b>2021</b> , 3-34		
137	Modeling Individualized Sustainable Last Mile Logistics <b>2021</b> , 277-293		0
136	Convolutional neural network with dual inputs for time series ice prediction on rotor blades of wind turbines. <i>Procedia CIRP</i> , <b>2021</b> , 104, 446-451	1.8	0
135	Augmented Reality zur Steigerung der Arbeitssicherheit von Mobilkränen. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , <b>2021</b> , 116, 716-721	0.5	
134	A Crew Scheduling Model to Incrementally Optimize Workforce Assignments for Offshore Wind Farm Constructions. <i>Energies</i> , <b>2021</b> , 14, 6963	3.1	
133	Text Mining for Supply Chain Risk Management in the Apparel Industry. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 2323	2.6	7
132	Integration eines omnidirektionalen FTF in eine Produktionsprozesssteuerung. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , <b>2021</b> , 116, 161-165	0.5	
131	Evaluation of the Impact of Weather-Related Limitations on the Installation of Offshore Wind Turbine Towers. <i>Energies</i> , <b>2021</b> , 14, 3778	3.1	

130	Bestimmung des Automatisierungsgrades in der Montage. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , <b>2021</b> , 116, 413-418	0.5	
129	Simulated-based methodology for the interface configuration of cyber-physical production systems. <i>International Journal of Production Research</i> , <b>2021</b> , 59, 5388-5403	7.8	5
128	Forecasting of customer demands for production planning by local k-nearest neighbor models. <i>International Journal of Production Economics</i> , <b>2021</b> , 231, 107837	9.3	21
127	Nachhaltige und individualisierte Zustellung von Lebensmitteln <b>2021</b> , 679-694		
126	What is the Right Home Delivery Option for Your Online Shopping?. <i>Lecture Notes in Logistics</i> , <b>2021</b> , 137-150		
125	Quality control of apples by means of convolutional neural networks - Comparison of bruise detection by color images and near-infrared images. <i>Procedia CIRP</i> , <b>2021</b> , 99, 290-294	1.8	0
124	Ermittlung und Bewertung von Einsatzpotenzialen der Mensch-Roboter-Kollaboration. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , <b>2021</b> , 116, 8-15	0.5	0
123	A Systematic Review of User Acceptance in Industrial Augmented Reality. <i>Frontiers in Education</i> , <b>2021</b> , 6,	2.1	2
122	Recognition of car parts in automotive supply chains by combining synthetically generated training data with classical and deep learning based image processing. <i>Procedia CIRP</i> , <b>2020</b> , 93, 377-382	1.8	4
121	Ice Detection on Rotor Blades of Wind Turbines using RGB Images and Convolutional Neural Networks. <i>Procedia CIRP</i> , <b>2020</b> , 93, 1292-1297	1.8	10
120	The impact of information sharing on installation processes of offshore wind farms - process modelling and simulation-based analysis. <i>International Journal of Shipping and Transport Logistics</i> , <b>2020</b> , 12, 117	1	1
119	A U-Net Based Approach for Automating Tribological Experiments. <i>Sensors</i> , <b>2020</b> , 20,	3.8	1
118	Manufacturing networks in the era of digital production and operations: A socio-cyber-physical perspective. <i>Annual Reviews in Control</i> , <b>2020</b> , 49, 288-294	10.3	18
117	Using a Digital Twin for Production Planning and Control in Industry 4.0. <i>Profiles in Operations Research</i> , <b>2020</b> , 39-60	1	10
116	Orientation detection of fruits by means of convolutional neural networks and laser line projection for the automation of fruit packing systems. <i>Procedia CIRP</i> , <b>2020</b> , 88, 533-538	1.8	4
115	Travel Time Prediction in a Multimodal Freight Transport Relation Using Machine Learning Algorithms. <i>Logistics</i> , <b>2020</b> , 4, 1	3.5	19
114	Optimization of Supplier Development under Market Dynamics. <i>Mathematical Problems in Engineering</i> , <b>2020</b> , 2020, 1-18	1.1	4
113	A Numerical Study on the Effects of Trust in Supplier Development. <i>Processes</i> , <b>2020</b> , 8, 300	2.9	

112	Einsatz mobiler Computersysteme im Rahmen von Industrie 4.0 zur Bewältigung des demografischen Wandels. <i>Springer Reference Technik</i> , <b>2020</b> , 1-31	0.1	0
111	Monitoring of the vacuum infusion process by integrated RFID transponder. <i>Procedia Manufacturing</i> , <b>2020</b> , 52, 20-25	1.5	1
110	Development of an Autonomous Light Control Algorithm with a Simulation Model of a Container Terminal. <i>Procedia Manufacturing</i> , <b>2020</b> , 52, 221-227	1.5	1
109	Deep Learning-based Object Recognition for Counting Car Components to Support Handling and Packing Processes in Automotive Supply Chains. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 10645-10650	0.7	2
108	Simulation-Based Optimization for the Integrated Control of Production and Logistics: A Performance Comparison. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 10639-10644	0.7	0
107	Quality Control and Characterization. <i>Lecture Notes in Production Engineering</i> , <b>2020</b> , 253-310	0	
106	Process Design. <i>Lecture Notes in Production Engineering</i> , <b>2020</b> , 95-132	0	
105	Machine Learning in Production Scheduling: An Overview of the Academic Literature. <i>Lecture Notes in Logistics</i> , <b>2020</b> , 409-419	0.5	2
104	Mobile AR-Based Assistance Systems for Order Picking [Methodical Decision Support in the Early Phases of the Product Life Cycle. <i>Communications in Computer and Information Science</i> , <b>2020</b> , 74-87	0.3	2
103	Revisiting order assignment problems in a real-case vehicle compound scenario <b>2020</b> ,		1
102	Applicability of Algorithm Evaluation Metrics for Predictive Maintenance in Production Systems <b>2020</b> ,		1
101	Human Factors-basierte Arbeitsgestaltung in Cyber-Physischen Produktionssystemen. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , <b>2020</b> , 115, 434-437	0.5	
100	On the Influence of Structural Complexity on Autonomously Controlled Automobile Terminal Processes. <i>Lecture Notes in Logistics</i> , <b>2020</b> , 42-51	0.5	0
99	Influence of Supply Chain Management & Logistics in the Wake of China Pakistan Economic Corridor (CPEC) on Domestic Industry in Pakistan. <i>Lecture Notes in Logistics</i> , <b>2020</b> , 175-185	0.5	
98	Individual Predictive Maintenance Approach for Diesel Engines in Rail Vehicles. <i>Lecture Notes in Logistics</i> , <b>2020</b> , 236-244	0.5	3
97	A Concept for a Consumer-Centered Sustainable Last Mile Logistics. <i>Lecture Notes in Logistics</i> , <b>2020</b> , 196-203	0.5	4
96	Using RFID to Monitor the Curing of Aramid Fiber Reinforced Polymers. <i>Lecture Notes in Logistics</i> , <b>2020</b> , 441-450	0.5	1
95	Improving Human-Machine Interaction with a Digital Twin. <i>Lecture Notes in Logistics</i> , <b>2020</b> , 527-540	0.5	4

94	Requirements for an Incentive-Based Assistance System for Manual Assembly. <i>Lecture Notes in Logistics</i> , <b>2020</b> , 541-553	0.5	5
93	Evaluation of Human-Computer-Interaction Design in Production and Logistics by Using Experimental Investigations. <i>Lecture Notes in Logistics</i> , <b>2020</b> , 554-566	0.5	2
92	Functionalities and Implementation of Future Informational Assistance Systems for Manual Assembly. <i>Communications in Computer and Information Science</i> , <b>2020</b> , 88-109	0.3	7
91	Investigation of icing causes on wind turbine rotor blades using machine learning models, minimalistic input data and a full-factorial design. <i>Procedia Manufacturing</i> , <b>2020</b> , 52, 168-173	1.5	3
90	Control architecture for digital twin-based human-machine interaction in a novel container unloading system. <i>Procedia Manufacturing</i> , <b>2020</b> , 52, 215-220	1.5	3
89	User-Centered Evaluation of an Augmented Reality-based Assistance System for Maintenance. <i>Procedia CIRP</i> , <b>2020</b> , 93, 921-926	1.8	6
88	Frequency response analysis of inventory variation in production networks with information sharing. <i>Procedia CIRP</i> , <b>2020</b> , 93, 765-770	1.8	1
87	FPGA-Based Optical Surface Inspection of Wind Turbine Rotor Blades Using Quantized Neural Networks. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 1824	2.6	1
86	A multi-product job shop scenario utilising Model Predictive Control. <i>Expert Systems With Applications</i> , <b>2020</b> , 162, 113734	7.8	1
85	Investigation of using RFID for cure monitoring of glass fiber-reinforced plastics. <i>Production Engineering</i> , <b>2020</b> , 14, 499-507	1.9	1
84	Simulation of contrary maintenance strategies for offshore wind turbines. <i>Journal of Simulation</i> , <b>2020</b> , 14, 76-82	1.9	2
83	Design and simulation of a control algorithm for peak-load shaving using vehicle to grid technology. <i>SN Applied Sciences</i> , <b>2019</b> , 1, 1	1.8	9
82	Control strategies for small-scaled conveyor modules enabling highly flexible material flow systems. <i>Procedia CIRP</i> , <b>2019</b> , 79, 433-438	1.8	3
81	Anomaly detection with convolutional neural networks for industrial surface inspection. <i>Procedia CIRP</i> , <b>2019</b> , 79, 484-489	1.8	51
80	Real-time environmental analysis for industrial vehicles based on synthetic sensor data and deep learning. <i>Procedia CIRP</i> , <b>2019</b> , 81, 252-257	1.8	2
79	Machine learning-based icing prediction on wind turbines. <i>Procedia CIRP</i> , <b>2019</b> , 81, 423-428	1.8	19
78	Automatic Optical Surface Inspection of Wind Turbine Rotor Blades using Convolutional Neural Networks. <i>Procedia CIRP</i> , <b>2019</b> , 81, 1166-1170	1.8	8
77	Deep Learning-Based Pose Estimation of Apples for Inspection in Logistic Centers Using Single-Perspective Imaging. <i>Processes</i> , <b>2019</b> , 7, 424	2.9	5

76	Evaluation of Loading Bay Restrictions for the Installation of Offshore Wind Farms Using a Combination of Mixed-Integer Linear Programming and Model Predictive Control. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 5030	2.6	3
75	Simulation and Optimization of Operations for Offshore Installations Planning Using a Model Predictive Control Scheme <b>2019</b> ,		1
74	Indoor Positioning in Car Parks by using Wi-Fi Round-Trip-Time to support Finished Vehicle Logistics on Port Terminals. <i>IFAC-PapersOnLine</i> , <b>2019</b> , 52, 857-862	0.7	8
73	Simulation-based Analysis of the Interaction of a Physical and a Digital Twin in a Cyber-Physical Production System. <i>IFAC-PapersOnLine</i> , <b>2019</b> , 52, 1331-1336	0.7	8
72	A Review on the Planning Problem for the Installation of Offshore Wind Farms. <i>IFAC-PapersOnLine</i> , <b>2019</b> , 52, 1337-1342	0.7	6
71	An Approach to Designing Supply Chain Networks Considering the Occurrence of Disruptive Events. <i>IFAC-PapersOnLine</i> , <b>2019</b> , 52, 1761-1766	0.7	1
70	Determination of the Optimal State of Dough Fermentation in Bread Production by Using Optical Sensors and Deep Learning. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 4266	2.6	5
69	Wireless Pick-by-Light: Usability of LPWAN to Achieve a Flexible Warehouse Logistics Infrastructure. <i>Lecture Notes in Logistics</i> , <b>2018</b> , 273-283	0.5	4
68	Effects of Sensor-Based Quality Data in Automotive Supply Chains [A Simulation Study]. <i>Lecture Notes in Logistics</i> , <b>2018</b> , 289-297	0.5	3
67	Hybrid approach for the integrated scheduling of production and transport processes along supply chains. <i>International Journal of Production Research</i> , <b>2018</b> , 56, 2019-2035	7.8	39
66	Data-driven production control for complex and dynamic manufacturing systems. <i>CIRP Annals - Manufacturing Technology</i> , <b>2018</b> , 67, 515-518	4.9	60
65	Requirements for an Augmented Reality-Based Assistance System. <i>Lecture Notes in Logistics</i> , <b>2018</b> , 335-349		1
64	Decommissioning of Offshore Wind Farms. <i>Lecture Notes in Logistics</i> , <b>2018</b> , 216-222	0.5	1
63	Application of Online Learning for the Dynamic Configuration of Kanban Systems <b>2018</b> ,		2
62	Using Sensor-Based Quality Data in Automotive Supply Chains. <i>Machines</i> , <b>2018</b> , 6, 53	2.9	11
61	Solving the Job-Shop Scheduling Problem in the Industry 4.0 Era. <i>Technologies</i> , <b>2018</b> , 6, 107	2.4	48
60	General Requirements for Industrial Augmented Reality Applications. <i>Procedia CIRP</i> , <b>2018</b> , 72, 1130-1135.8		51
59	Identification of Sensor Requirements for a Quality Data-based Risk Management in Multimodal Supply Chains. <i>Procedia CIRP</i> , <b>2018</b> , 72, 563-568	1.8	2

58	Towards a simulation-based optimization approach to integrate supply chain planning and control. <i>Procedia CIRP</i> , <b>2018</b> , 72, 520-525	1.8	11
57	Curing Transponder Integrating RFID transponder into glass fiber-reinforced composites to monitor the curing of the component. <i>Procedia Manufacturing</i> , <b>2018</b> , 24, 94-99	1.5	3
56	Use of RFID tags for monitoring resin flow and investigation of their influence on the mechanical properties of the composite. <i>Procedia Manufacturing</i> , <b>2018</b> , 24, 305-310	1.5	4
55	Sharing Sensor Based Quality Data in Automotive Supply Chain Processes. <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 770-775	0.7	5
54	Enhancing Expert Knowledge Based Cause-Effect Networks Using Continuous Production Data. <i>Procedia Manufacturing</i> , <b>2018</b> , 24, 128-134	1.5	2
53	Potential of a Multi-Agent System Approach for Production Control in Smart Factories. <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 1459-1464	0.7	20
52	Real-time Predictive Maintenance Based on Complex Event Processing <b>2018</b> , 291-296		1
51	Local characterisation of variances for the planning and configuration of process chains in micro manufacturing. <i>Journal of Manufacturing Systems</i> , <b>2017</b> , 43, 79-87	9.1	7
50	Online-scheduling using past and real-time data. An assessment by discrete event simulation using exponential smoothing. <i>CIRP Journal of Manufacturing Science and Technology</i> , <b>2017</b> , 19, 158-163	3.4	9
49	Simulation Based Investigation of the Impact of Information Sharing on the Offshore Wind Farm Installation Process. <i>Journal of Renewable Energy</i> , <b>2017</b> , 2017, 1-11	1.4	12
48	Resource Sharing in the Logistics of the Offshore Wind Farm Installation Process based on a Simulation Study. <i>International Journal of E-Navigation and Maritime Economy</i> , <b>2017</b> , 7, 42-54		11
47	Text-Mining and Gamification for the Qualification of Service Technicians in the Maintenance Industry of Offshore Wind Energy. <i>International Journal of E-Navigation and Maritime Economy</i> , <b>2017</b> , 6, 44-52		3
46	A new method for autonomous control of complex job shops Integrating order release, sequencing and capacity control to meet due dates. <i>Journal of Manufacturing Systems</i> , <b>2017</b> , 42, 11-28	9.1	47
45	Towards a standardised information exchange within finished vehicle logistics based on RFID and EPCIS. <i>International Journal of Production Research</i> , <b>2017</b> , 55, 4136-4152	7.8	16
44	Dynamics in Logistics. <i>Lecture Notes in Logistics</i> , <b>2017</b> ,	0.5	3
43	Simulation of maintenance activities for micro-manufacturing systems by use of predictive quality control charts <b>2017</b> ,		1
42	Evaluating the Robustness of Production Schedules using Discrete-Event Simulation. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 7953-7958	0.7	10
41	Towards adaptive simulation-based optimization to select individual dispatching rules for production control <b>2017</b> ,		11

40	Adaptive Produktionsplanung und -steuerung. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , <b>2017</b> , 112, 126-128	0.5	5
39	Planning of Maintenance Resources for the Service of Offshore Wind Turbines by Means of Simulation. <i>Lecture Notes in Logistics</i> , <b>2017</b> , 303-312	0.5	2
38	Toward a Unified Logistics Modeling Language: Constraints and Objectives. <i>Lecture Notes in Logistics</i> , <b>2017</b> , 425-432	0.5	
37	Resource and Information Sharing for the Installation Process of the Offshore Wind Energy. <i>IFIP Advances in Information and Communication Technology</i> , <b>2017</b> , 268-275	0.5	0
36	Evaluation of Strategies for the Coupling of Central Planning and Autonomous Control in Dynamic Job Shop Environments. <i>Advanced Materials Research</i> , <b>2016</b> , 1140, 457-464	0.5	1
35	Meta-learning with neural networks and landmarking for forecasting model selection an empirical evaluation of different feature sets applied to industry data <b>2016</b> ,		13
34	The Benefit of Integrating Production and Transport Scheduling. <i>Procedia CIRP</i> , <b>2016</b> , 41, 585-590	1.8	10
33	Evaluation approach for the identification of promising methods to couple central planning and autonomous control. <i>International Journal of Computer Integrated Manufacturing</i> , <b>2016</b> , 29, 438-461	4.3	8
32	Robotik in der Logistik <b>2016</b> ,		8
31	Aktuelle Entwicklung der Robotik und ihre Implikationen fñ den Menschen <b>2016</b> , 9-20		3
30	Managing the Life Cycle of IT-Based Inter-firm Resources in Production and Logistics Networks. <i>Lecture Notes in Logistics</i> , <b>2016</b> , 59-68	0.5	
29	Instandhaltungslogistik fñ Offshore-Windenergie. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , <b>2016</b> , 111, 793-797	0.5	
28	Potential of data-driven simulation-based optimization for adaptive scheduling and control of dynamic manufacturing systems <b>2016</b> ,		20
27	A Data-Driven Simulation-Based Optimisation Approach for Adaptive Scheduling and Control of Dynamic Manufacturing Systems. <i>Advanced Materials Research</i> , <b>2016</b> , 1140, 449-456	0.5	14
26	A Heuristic Optimisation Approach for the Scheduling of Integrated Manufacturing and Distribution Systems. <i>Procedia CIRP</i> , <b>2016</b> , 57, 357-361	1.8	4
25	Real-time Fault Detection for Advanced Maintenance of Sustainable Technical Systems. <i>Procedia CIRP</i> , <b>2016</b> , 41, 295-300	1.8	4
24	Emergence of Non-predictable Dynamics Caused by Shared Resources in Production Networks. <i>Procedia CIRP</i> , <b>2016</b> , 41, 520-525	1.8	2
23	Automatic design of scheduling rules for complex manufacturing systems by multi-objective simulation-based optimization. <i>CIRP Annals - Manufacturing Technology</i> , <b>2016</b> , 65, 433-436	4.9	43



22	Dynamics of resource sharing in production networks. <i>CIRP Annals - Manufacturing Technology</i> , <b>2015</b> , 64, 435-438	4.9	29
21	Evaluation System for Autonomous Control Methods in Coupled Planning and Control Systems. <i>Procedia CIRP</i> , <b>2015</b> , 33, 121-126	1.8	6
20	A Concept for the Dynamic Adjustment of Maintenance Intervals by Analysing Heterogeneous Data. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 794, 507-515	0.3	3
19	Modeling, Planning, and Control of Complex Logistic Processes. <i>Mathematical Problems in Engineering</i> , <b>2015</b> , 2015, 1-2	1.1	2
18	Strategies for the Coupling of Autonomous Control and Central Planning: Evaluation of Strategies Using Logistic Objectives Achievement and Planning Adherence <b>2015</b> ,		3
17	Coupling order release methods with autonomous control methods [An assessment of potentials by literature review and discrete event simulation. <i>International Journal of Production Management and Engineering</i> , <b>2015</b> , 3, 43	0.4	7
16	Qualifizierung von Fachkräften und Entscheidern. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , <b>2015</b> , 110, 583-586	0.5	1
15	Oktopus-Greifer. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , <b>2015</b> , 110, 714-717	0.5	
14	Robust Methods for the Prediction of Customer Demands based on Nonlinear Dynamical Systems. <i>Procedia CIRP</i> , <b>2014</b> , 19, 93-98	1.8	4
13	Large-scale simulation-based optimization of semiconductor dispatching rules <b>2014</b> ,		15
12	Model-driven Logistics Engineering [Challenges of Model and Object Transformation. <i>Procedia Technology</i> , <b>2014</b> , 15, 303-312		6
11	Bio-inspired and pheromone-based shop-floor control. <i>International Journal of Computer Integrated Manufacturing</i> , <b>2008</b> , 21, 201-205	4.3	27
10	Dynamik logistischer Systeme <b>2008</b> , 109-138		14
9	Autonomous Processes in Assembly Systems. <i>CIRP Annals - Manufacturing Technology</i> , <b>2007</b> , 56, 712-729	4.9	103
8	Mathematical Models of Autonomous Logistic Processes <b>2007</b> , 121-138		3
7	Phase-synchronisation in continuous flow models of production networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2006</b> , 363, 32-38	3.3	13
6	Autonomous control of production networks using a pheromone approach. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2006</b> , 363, 104-114	3.3	61
5	Some Remarks on the Stability of Production Networks. <i>Operations Research Proceedings: Papers of the Annual Meeting = Vorträge Der Jahrestagung / DGOR</i> , <b>2006</b> , 91-96	0.1	4

4	Modelling Dynamics of Autonomous Logistic Processes: Discrete-event versus Continuous Approaches. <i>CIRP Annals - Manufacturing Technology</i> , <b>2005</b> , 54, 413-416	4-9	55
3	Modelling and Control of Production Systems based on Nonlinear Dynamics Theory. <i>CIRP Annals - Manufacturing Technology</i> , <b>2002</b> , 51, 375-378	4-9	31
2	Chaos detection and control in production systems <b>1999</b> , 416-423		
1	Review of Digital Twin-based Interaction in Smart Manufacturing: Enabling Cyber-Physical Systems for Human-Machine Interaction. <i>International Journal of Computer Integrated Manufacturing</i> , 1-18	4-3	4