

# Jrgen Fleischer

## 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.

194  
papers

1,310  
citations

16  
h-index

30  
g-index

209  
ext. papers

1,679  
ext. citations

1.8  
avg, IF

5.1  
L-index

#	Paper	IF	Citations
194	Web-Based Platform for Planning and Configuration of Robot-Based Automation Solutions: A Retrospective View on the Research Project ROBOTOP <b>2022</b> , 387-397		
193	Gripper integrated vision guided assembly of PEM fuel cells. <i>Procedia CIRP</i> , <b>2022</b> , 106, 180-184	1.8	
192	Conceptual control architecture for future highly flexible production systems. <i>Procedia CIRP</i> , <b>2022</b> , 106, 39-44	1.8	
191	Automated Configuration of Modular Gripper Fingers. <i>Procedia CIRP</i> , <b>2022</b> , 106, 70-75	1.8	1
190	Vision-Based Screw Head Detection for Automated Disassembly for Remanufacturing. <i>Procedia CIRP</i> , <b>2022</b> , 105, 1-6	1.8	1
189	Novel Robot-Based Process Chain for the Flexible Production of Thermoplastic Components with CFRP Tape Reinforcement Structures. <i>Procedia CIRP</i> , <b>2022</b> , 106, 21-26	1.8	
188	Hybrid material extrusion 3D printing to strengthen interlayer adhesion through hot rolling. <i>Additive Manufacturing</i> , <b>2022</b> , 55, 102773	6.1	0
187	Datenaufnahme und -verarbeitung in der Brownfield-Produktion. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , <b>2022</b> , 117, 317-320	0.5	2
186	Process Segmented based Intelligent Anomaly Detection in Highly Flexible Production Machines under Low Machine Data Availability. <i>Procedia CIRP</i> , <b>2022</b> , 107, 647-652	1.8	1
185	Agile Production Systems for Electric Mobility. <i>Procedia CIRP</i> , <b>2022</b> , 107, 1251-1256	1.8	
184	Generation of identifiable CNC reference runs with high information content for machine learning and analytic approaches to parameter identification. <i>Procedia CIRP</i> , <b>2022</b> , 107, 734-739	1.8	1
183	Dynamic Partial Reconfiguration for Adaptive Sensor Integration in Highly Flexible Manufacturing Systems. <i>Procedia CIRP</i> , <b>2022</b> , 107, 1311-1316	1.8	
182	Systematic Identification of Hazardous States and Approach for Condition Monitoring in the Context of Li-ion Battery Disassembly. <i>Procedia CIRP</i> , <b>2022</b> , 107, 308-313	1.8	
181	Experimental and Numerical Analysis of Mold Filling in Rotational Molding. <i>Journal of Composites Science</i> , <b>2021</b> , 5, 289	3	
180	Analysis of Basis Weight Uniformity Indexes for the Evaluation of Fiber Injection Molded Nonwoven Preforms. <i>Autex Research Journal</i> , <b>2021</b> , 21, 341-351	1	0
179	Genetic algorithm for the optimization of vision acquisition for on-the-fly position measurement of individual layers in fuel cell stack assembly. <i>Procedia CIRP</i> , <b>2021</b> , 104, 1407-1411	1.8	1
178	Investigation of the Mechanical Behavior of Electrodes after Calendering and Its Influence on Singulation and Cell Performance. <i>Processes</i> , <b>2021</b> , 9, 2009	2.9	1

177	Konzeption und Entwicklung eines Produktionsanlagenkonfigurators. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , <b>2021</b> , 116, 836-840	0.5	1
176	Design and implementation of a holistic framework for data integration in industrial machine and sensor networks. <i>Procedia CIRP</i> , <b>2021</b> , 104, 1771-1776	1.8	
175	Comprehensive machine data acquisition through intelligent parameter identification and assignment. <i>Procedia CIRP</i> , <b>2021</b> , 104, 720-725	1.8	5
174	Concept for modelling the influence of electrode corrugation after calendaring on stacking accuracy in battery cell production. <i>Procedia CIRP</i> , <b>2021</b> , 104, 744-749	1.8	2
173	Cell-to-Pack-Technologie für Li-Ionen-Batterien. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , <b>2021</b> , 116, 689-694	0.5	1
172	Kompaktwickelprozess zur Herstellung verteilter Wicklungen. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , <b>2021</b> , 116, 124-127	0.5	0
171	Entwicklung eines flexiblen Produktionssystems für Batteriezellen. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , <b>2021</b> , 116, 247-253	0.5	1
170	Image segmentation and robust edge detection for collision avoidance in machine tools. <i>TM Technisches Messen</i> , <b>2021</b> , 88, 374-385	0.7	
169	A novel intelligent fault diagnosis method of rolling bearing based on two-stream feature fusion convolutional neural network. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2021</b> , 176, 109226	4.6	23
168	Modelling of the temperature distribution of spot-weldable composite/metal joints. <i>Journal of Advanced Joining Processes</i> , <b>2021</b> , 100066	2.1	1
167	Chatter identification of thin-walled parts for intelligent manufacturing based on multi-signal processing. <i>Advances in Manufacturing</i> , <b>2021</b> , 9, 22-33	2.7	8
166	Load-dependent path planning method for 3D printing of continuous fiber reinforced plastics. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2021</b> , 140, 106181	8.4	14
165	Fiber orientation measurement of fiber injection molded nonwovens by image analysis. <i>Textile Reseach Journal</i> , <b>2021</b> , 91, 664-680	1.7	1
164	Hybride Hohlstrukturen für Wellen und Streben <b>2021</b> , 205-264		1
163	Concepts and Requirements for Flexible Disassembly Systems for Drive Train Components of Electric Vehicles. <i>Procedia CIRP</i> , <b>2021</b> , 98, 577-582	1.8	7
162	Einführung in intrinsische Hybridverbunde <b>2021</b> , 1-9		1
161	Analysis of the Variety of Lithium-Ion Battery Modules and the Challenges for an Agile Automated Disassembly System. <i>Procedia CIRP</i> , <b>2021</b> , 96, 175-180	1.8	5
160	Experimental Parameter Identification for the Bending Based Preforming of Thermoplastic UD-Tape. <i>Zukunftstechnologien Für Den Multifunktionalen Leichtbau</i> , <b>2021</b> , 313-325	0.2	1

159	Production of hybrid tubular metal-fibre preforms: development of a digital twin for the draping process. <i>Procedia CIRP</i> , <b>2021</b> , 99, 437-442	1.8	2
158	Agile Produktion elektrischer Traktionsmotoren als Antwort auf volatile Märkte und Technologien. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , <b>2021</b> , 116, 128-132	0.5	0
157	A stitching algorithm for automated surface inspection of rotationally symmetric components. <i>CIRP Journal of Manufacturing Science and Technology</i> , <b>2021</b> , 35, 169-177	3.4	0
156	Numerical design of rotationally molded composite tie rods. <i>Composite Structures</i> , <b>2021</b> , 278, 114687	5.3	1
155	Retrofittable vibration-based monitoring of milling processes using wavelet packet transform. <i>Procedia CIRP</i> , <b>2021</b> , 96, 353-358	1.8	1
154	Schalenförmige Hybridverbunde und Inserts <b>2021</b> , 11-120		
153	Production-oriented design of electric traction drives with hairpin winding. <i>Procedia CIRP</i> , <b>2021</b> , 100, 169-174	1.8	1
152	Challenges and Potential Solutions for Reduced Unbalance of Permanent Magnet Rotors for Electric Traction Motors <b>2021</b> ,		1
151	Influence of the process parameter of resistance spot welding and the geometry of weldable load introducing elements for FRP/metal joints on the heat input. <i>Journal of Advanced Joining Processes</i> , <b>2020</b> , 2, 100032	2.1	4
150	Digital Process Management for the Integrated Bending of Thermoplastic CFRP Tapes. <i>Procedia CIRP</i> , <b>2020</b> , 93, 514-519	1.8	
149	Aligning vocational training to the electromobile transformation by establishing the Training Factory Stator Production – A methodical deficit analysis with derivation of measures. <i>Procedia Manufacturing</i> , <b>2020</b> , 45, 448-453	1.5	1
148	Challenges and Solutions of Automated Disassembly and Condition-Based Remanufacturing of Lithium-Ion Battery Modules for a Circular Economy. <i>Procedia Manufacturing</i> , <b>2020</b> , 43, 614-619	1.5	8
147	A new approach for modelling the fibre path in bolted joints of continuous fibre reinforced composites. <i>Composite Structures</i> , <b>2020</b> , 243, 112184	5.3	6
146	5G and AI Technology Application in the AMTC Learning Factory. <i>Procedia Manufacturing</i> , <b>2020</b> , 45, 66-71	1.5	8
145	Opportunities of Model-Based Production-Oriented Design of Stators with Hairpin Winding <b>2020</b> ,		1
144	Development and Implementation of a Compact Winding Process <b>2020</b> ,		1
143	Self-Aware LiDAR Sensors in Autonomous Systems using a Convolutional Neural Network. <i>Procedia Manufacturing</i> , <b>2020</b> , 52, 50-55	1.5	
142	Disturbance Force Estimation for a Low Pressure Suction Gripper Based on Differential Pressure Analysis. <b>2020</b> , 263-273		

141	Coil2Stack: Ein innovatives Verfahren zur formatflexiblen Batteriezellherstellung. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , <b>2020</b> , 115, 241-243	0.5	4
140	Erhöhung der Skalierbarkeit von KI-Anwendungen in Produktionsanlagen. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , <b>2020</b> , 115, 517-519	0.5	4
139	Demontageeffektor für Schraubverbindungen mit ungewissem Zustand. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , <b>2020</b> , 115, 711-714	0.5	
138	Industrie-4.0-Nachrüstkit für Werkzeugmaschinen/Modular solution for condition-based maintenance and process monitoring Industry 4.0 retrofitting kit for machine tools. <i>WT Werkstattstechnik</i> , <b>2020</b> , 110, 491-495	1.2	2
137	Characterization of Rectangular Copper Wire Forming Properties and Derivation of Control Concepts for the Kinematic Bending of Hairpin Coils. <i>Procedia Manufacturing</i> , <b>2020</b> , 47, 678-685	1.5	3
136	Intelligent Anomaly Detection of Machine Tools based on Mean Shift Clustering. <i>Procedia CIRP</i> , <b>2020</b> , 93, 1448-1453	1.8	5
135	Analytical modeling of the winding trajectory of the multi-wire needle winding process. <i>Procedia CIRP</i> , <b>2020</b> , 88, 497-502	1.8	1
134	Vibration analysis of moving machine tool axes based on phase information in video data. <i>Procedia CIRP</i> , <b>2020</b> , 88, 364-368	1.8	
133	Edge Formation in High-Speed Intermittent Slot-Die Coating of Disruptively Stacked Thick Battery Electrodes. <i>Energy Technology</i> , <b>2020</b> , 8, 1900137	3.5	5
132	Toolless Forming for Load-adapted UD Reinforcements. <i>Lightweight Design Worldwide</i> , <b>2019</b> , 12, 38-43	0.3	
131	Model for Web-Application based Configuration of Modular Production Plants with automated PLC Line Control Code Generation. <i>Procedia CIRP</i> , <b>2019</b> , 83, 292-297	1.8	0
130	Modular smart controller for Industry 4.0 functions in machine tools. <i>Procedia CIRP</i> , <b>2019</b> , 81, 1331-1336	1.8	7
129	Methodical approach for the development of a platform for the configuration and operation of turnkey production systems. <i>Procedia CIRP</i> , <b>2019</b> , 84, 880-885	1.8	6
128	Experimental investigation of frictional behavior in a filament winding process for joining fiber-reinforced profiles. <i>Composite Structures</i> , <b>2019</b> , 229, 111436	5.3	3
127	MATERIAL- AND PROCESS CHARACTERIZATION OF FIBRE-METAL-ELASTOMER LAMINATE COMPONENTS WITH HIGH FORMING DEGREES. <i>Zukunftstechnologien Fu r Den Multifunktionalen Leichtbau</i> , <b>2019</b> , 147-154	0.2	1
126	Reconfigurable modular production plant for thermoplastic hybrid composites. <i>Production Engineering</i> , <b>2019</b> , 13, 469-477	1.9	2
125	Modeling and optimization of winding paths to join lightweight profiles with continuous carbon fibers. <i>Production Engineering</i> , <b>2019</b> , 13, 519-528	1.9	2
124	Werkzeugloses Umformen lastangepasster UD-Verstärkungen. <i>Lightweight Design</i> , <b>2019</b> , 12, 38-43	0.1	

123	Unwucht hochausgenutzter Synchronmaschinen. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , <b>2019</b> , 114, 464-468	0.5	1
122	Ausbildungsfabrik Statorfertigung. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , <b>2019</b> , 114, 621-626	0.5	5
121	Intelligente Stützungserkennung einer Werkzeugmaschine. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , <b>2019</b> , 114, 635-638	0.5	1
120	Coherences Between Production Technology and Performance of Electric Traction Drives <b>2019</b> ,		8
119	Influence of Wire Tolerances on Hairpin Shaping Processes <b>2019</b> ,		8
118	Production of Hybrid Tubular Metal-Fiber-Preforms: Material Characterization of Braided Hoses with a Binder. <i>Procedia CIRP</i> , <b>2019</b> , 85, 121-126	1.8	2
117	Integrated Gripping-system for Heating and Preforming of Thermoplastic Unidirectional Tape Laminates. <i>Procedia CIRP</i> , <b>2019</b> , 85, 266-271	1.8	3
116	Feasibility Study for Enameled Round Copper Wire Compression within Slots of Electrical Machines <b>2019</b> ,		2
115	Kinematic Description and Shape Optimization of UD-Tape Reinforcements Manufactured with a Novel Preforming Process. <i>Procedia CIRP</i> , <b>2019</b> , 85, 78-83	1.8	3
114	Concept for the Configuration of Turnkey Production Systems. <i>Procedia CIRP</i> , <b>2019</b> , 86, 234-238	1.8	7
113	Method for the Investigation of Mold Filling in the Fiber Injection Molding Process Based on Image Processing. <i>Procedia CIRP</i> , <b>2019</b> , 86, 156-161	1.8	3
112	Mechanical characterisation of the shear, bending and friction behaviour of bindered woven fabrics during the forming process. <i>Materialwissenschaft Und Werkstofftechnik</i> , <b>2019</b> , 50, 1573-1587	0.9	2
111	Model-Based Assembly Optimization for Unbalance-Minimized Production Automation of Electric Motors <b>2019</b> , 551-562		2
110	Finite element optimisation for rotational moulding with a core to manufacture intrinsic hybrid FRP metal pipes. <i>Production Engineering</i> , <b>2018</b> , 12, 239-247	1.9	5
109	Numerical and experimental investigation of manufacturing and performance of metal inserts embedded in CFRP. <i>Production Engineering</i> , <b>2018</b> , 12, 141-152	1.9	6
108	Introduction to CFRP-metal hybrids for lightweight structures. <i>Production Engineering</i> , <b>2018</b> , 12, 109-111	1.9	9
107	Demontagegerechtes Batteriemodul. <i>ATZ Automobiltechnische Zeitschrift</i> , <b>2018</b> , 120, 100-103	0.1	2
106	Composite materials parts manufacturing. <i>CIRP Annals - Manufacturing Technology</i> , <b>2018</b> , 67, 603-626	4.9	102

105	Structure optimisation of metallic load introduction elements embedded in CFRP. <i>Production Engineering</i> , <b>2018</b> , 12, 131-140	1.9	6
104	Additive manufacturing of metal components with the ARBURG plastic freeforming process. <i>CIRP Annals - Manufacturing Technology</i> , <b>2018</b> , 67, 225-228	4.9	7
103	Influence of punch sequence and prediction of wrinkling in textile forming with a multi-punch tool. <i>Production Engineering</i> , <b>2018</b> , 12, 779-788	1.9	11
102	Kalandrieren von Elektroden für Li-Ionen-Batterien. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , <b>2018</b> , 113, 571-575	0.5	3
101	Plattformbasiertes Geschäftsmodell für rekonfigurierbare Produktionsanlagen im Leichtbau. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , <b>2018</b> , 113, 580-583	0.5	
100	Optimization of the Linear Coil Winding Process by Combining New Actuator Principles on the Basis of Wire Forming Analysis <b>2018</b> ,		4
99	FE-Based Simulation of Hairpin Shaping Processes for Traction Drives <b>2018</b> ,		12
98	Development and evaluation of separation concepts for the controllable release of tacky prepreg from handling devices. <i>Procedia CIRP</i> , <b>2018</b> , 72, 574-579	1.8	1
97	Self-describing connected components for live information access within production systems. <i>Procedia Manufacturing</i> , <b>2018</b> , 24, 250-257	1.5	5
96	Evolutionary Optimization of the Failure Behavior of Load Introduction Elements Integrated During FRP Sandwich Structure Manufacturing. <i>Procedia CIRP</i> , <b>2018</b> , 67, 410-415	1.8	5
95	Systematic Development and Comparison of Concepts for an Automated Series-Flexible Trickle Winding Process <b>2018</b> ,		4
94	A solid-analytical-based model for extracting cutter-workpiece engagement in 5-axis flank machining. <i>MATEC Web of Conferences</i> , <b>2018</b> , 237, 01009	0.3	
93	An Electromechanical Co-Simulation Model Based on Lumped Parameter Model of Ball Screw Feed Drive System. <i>MATEC Web of Conferences</i> , <b>2018</b> , 237, 03007	0.3	
92	Dual NURBS Path Smoothing for 5-Axis Linear Path of Flank Milling. <i>International Journal of Precision Engineering and Manufacturing</i> , <b>2018</b> , 19, 1811-1820	1.7	17
91	Adaptive tuned mass damper with variable mass for chatter avoidance. <i>CIRP Annals - Manufacturing Technology</i> , <b>2017</b> , 66, 397-400	4.9	31
90	Lightweight Design and Manufacturing of Composites for High-performance Electric Motors. <i>Procedia CIRP</i> , <b>2017</b> , 66, 283-288	1.8	11
89	Manufacturing of Textile Preforms with an Intelligent Draping and Gripping System. <i>Procedia CIRP</i> , <b>2017</b> , 66, 39-44	1.8	15
88	Investigation of a New Approach for Additively Manufactured Continuous Fiber-reinforced Polymers. <i>Procedia CIRP</i> , <b>2017</b> , 66, 323-328	1.8	36

87	Fluid elements in machine tools. <i>CIRP Annals - Manufacturing Technology</i> , <b>2017</b> , 66, 611-634	4.9	12
86	Web-based Component Data for the Commissioning of Machine Tools. <i>Procedia CIRP</i> , <b>2017</b> , 61, 329-334	1.8	2
85	Innovative control of assembly systems and lines. <i>CIRP Annals - Manufacturing Technology</i> , <b>2017</b> , 66, 707-730	4.30	68
84	<b>2017</b> ,		4
83	Alternativer Herstellprozess von Batteriegehäusen. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , <b>2017</b> , 112, 580-583	0.5	
82	The Influence of Tool Holder Technologies on Milling Performance. <i>Procedia CIRP</i> , <b>2016</b> , 46, 226-229	1.8	4
81	Condition Monitoring of Rack and Pinion Drive Systems: Necessity and Challenges in Production Environments. <i>Procedia CIRP</i> , <b>2016</b> , 40, 197-201	1.8	2
80	Sustainable Manufacturing Through Energy Efficient Handling Processes. <i>Procedia CIRP</i> , <b>2016</b> , 40, 574-579	1.8	3
79	Faser-Metall-Gummi-Hybridlaminat. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , <b>2016</b> , 111, 483-486	0.5	3
78	Sensorik zur Detektion einer Beschichtungskante in der Lithium-Ionen-Zellfertigung. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , <b>2016</b> , 111, 32-35	0.5	
77	Simulation of the assembly process of the insert technique for distributed windings <b>2016</b> ,		9
76	A New Approach on Integrating Joining Inserts for Composite Sandwich Structures with Foam Cores. <i>Procedia CIRP</i> , <b>2016</b> , 44, 310-315	1.8	6
75	Coil winding process modelling with deformation based wire tension analysis. <i>CIRP Annals - Manufacturing Technology</i> , <b>2016</b> , 65, 65-68	4.9	11
74	Joining Parameters and Handling System for Automated Subpreform Assembly. <i>Applied Mechanics and Materials</i> , <b>2016</b> , 840, 66-73	0.3	0
73	Handbuch der Wickeltechnik für hocheffiziente Spulen und Motoren <b>2016</b> ,		20
72	Manufacturing of polygon fiber reinforced plastic profiles by rotational molding and intrinsic hybridization. <i>Production Engineering</i> , <b>2015</b> , 9, 317-328	1.9	17
71	Reduced Commissioning Time of Components in Machine Tools Through Electronic Data Transmission. <i>Procedia CIRP</i> , <b>2015</b> , 29, 311-316	1.8	6
70	Materials in machine tool structures. <i>CIRP Annals - Manufacturing Technology</i> , <b>2015</b> , 64, 725-748	4.9	94



69	Adaptive and Adequate Lubrication for Highest Component-lifetimes in Feed Drive Axes with Ball Screws. <i>Procedia CIRP</i> , <b>2015</b> , 29, 335-340	1.8	4
68	The Hybrid RTM Process Chain: Automated Insertion of Load Introducing Elements during Subpreform Assembling. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 794, 312-319	0.3	4
67	Analysis of wire tension control principles for highly dynamic applications in coil winding: Investigation of new tension control devices for noncircular orthocyclic coils <b>2015</b> ,		3
66	Intrinsische Hybridisierung im Schleuderverfahren. <i>Lightweight Design</i> , <b>2015</b> , 8, 12-19	0.1	
65	Optimized magnet assembly algorithms for reduced rotor unbalance: New rotor balancing strategy by measuring the weight of each magnet and placing it according to an algorithm <b>2015</b> ,		2
64	Materialeffiziente hybride Preforms aus Lang- und Endlosfasern. <i>Lightweight Design</i> , <b>2015</b> , 8, 14-19	0.1	1
63	High Performance Machining Enabled by Adaptive Machine Components. <i>Procedia CIRP</i> , <b>2015</b> , 31, 70-75	1.8	8
62	Characterization of Metal Inserts Embedded in Carbon Fiber Reinforced Plastics. <i>Materials Science Forum</i> , <b>2015</b> , 825-826, 506-513	0.4	12
61	Automatisierung der Handhabung von Batteriezellen und Rahmen für die Batteriemodulmontage. <i>ZWF Zeitschrift fuer Wirtschaftlichen Fabrikbetrieb</i> , <b>2015</b> , 110, 460-465	0.5	
60	Tiefgezogene Verpackungen von Lithium-Ionen-Pouchzellen. <i>ZWF Zeitschrift fuer Wirtschaftlichen Fabrikbetrieb</i> , <b>2015</b> , 110, 730-733	0.5	
59	Method to compensate production related deviations for the assembly of space-frame-structures. <i>Production Engineering</i> , <b>2014</b> , 8, 207-216	1.9	5
58	Analysis of the influence of sinter temperature on the joint quality of sinter-joined microcheck valves made of 17-4 PH stainless steel. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2014</b> , 72, 173-178	3.2	3
57	Robot-based Guiding of Extrusion Profiles-increase of Guiding Accuracy by Considering the Temperature-dependent Effects. <i>Procedia CIRP</i> , <b>2014</b> , 18, 21-26	1.8	2
56	Small Batch Assembly of Space-Frame-Structures with Production Related Deviations of Individual Components. <i>Procedia CIRP</i> , <b>2014</b> , 18, 226-231	1.8	1
55	Grasping devices and methods in automated production processes. <i>CIRP Annals - Manufacturing Technology</i> , <b>2014</b> , 63, 679-701	4.9	125
54	Intelligent gripper technology for the handling of carbon fiber material. <i>Production Engineering</i> , <b>2014</b> , 8, 691-700	1.9	8
53	Fixtureless Alignment of Joining Partners within the Assembly of Aluminum Space Frame Structures. <i>Procedia CIRP</i> , <b>2014</b> , 18, 221-225	1.8	2
52	Resource-efficient Ball Screw by Adaptive Lubrication. <i>Procedia CIRP</i> , <b>2014</b> , 15, 50-55	1.8	3

51	Integrated cut and place module for high productive manufacturing of lithium-ion cells. <i>CIRP Annals - Manufacturing Technology</i> , <b>2014</b> , 63, 5-8	4.9	12
50	Characterization of an Eigenfrequency Adaptable Machine Tool Carriage. <i>Procedia CIRP</i> , <b>2014</b> , 14, 412-417	1.8	2
49	Highly Integrated High Precision Fluidic Feed Axis. <i>Procedia CIRP</i> , <b>2014</b> , 14, 339-344	1.8	3
48	Automatisierung in der Batteriemodulmontage. <i>ATZextra</i> , <b>2014</b> , 19, 80-83	0.1	
47	Rotor balancing by optimized magnet positioning during algorithm-controlled assembly process: Selection and assembly of rotor components minimizing the unbalance <b>2014</b> ,		4
46	Experimental Investigation and Performance Enhancement of Inserts in Composite Parts. <i>Procedia CIRP</i> , <b>2014</b> , 23, 7-12	1.8	27
45	Automated Modular and Part-Flexible Feeding System for Micro Parts. <i>International Journal of Automation Technology</i> , <b>2014</b> , 8, 282-290	0.8	1
44	Feinstanzmodul für die Produktion von Lithium-Ionen-Batteriezellen. <i>ZWF Zeitschrift Für Wirtschaftlichen Fabrikbetrieb</i> , <b>2014</b> , 109, 301-304	0.5	1
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42	Planar positioning stage for micro machining. <i>Production Engineering</i> , <b>2013</b> , 7, 511-516	1.9	9
41	Spatial alignment of joining partners without fixtures, based on component-inherent markings. <i>Journal of Manufacturing Systems</i> , <b>2013</b> , 32, 489-497	9.1	7
40	Joining automotive space frame structures by filament winding. <i>CIRP Journal of Manufacturing Science and Technology</i> , <b>2013</b> , 6, 98-101	3.4	15
39	New conceptual lightweight design approaches for integrated manufacturing processes: Influence of alternative materials on the process chain of electric motor manufacturing <b>2013</b> ,		8
38	Material based process model for linear noncircular coil winding processes with large wire gauge: Investigation of wire material influences on the winding process and compensation approaches <b>2013</b> ,		9
37	Maschinenkomponenten mit adaptierbarer Eigenfrequenz. <i>ZWF Zeitschrift Für Wirtschaftlichen Fabrikbetrieb</i> , <b>2013</b> , 108, 487-491	0.5	1
36	Trends im Elektromaschinenbau. <i>ZWF Zeitschrift Für Wirtschaftlichen Fabrikbetrieb</i> , <b>2013</b> , 108, 435-439	0.5	4
35	Highly Integrated Piezo-Hydraulic Feed Axis. <i>Procedia CIRP</i> , <b>2012</b> , 1, 325-329	1.8	1
34	Adaptronic compensation of geometrical machine errors. <i>Production Engineering</i> , <b>2012</b> , 6, 303-309	1.9	3

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31	The development of two-component micro powder injection moulding and sinter joining. <i>Microsystem Technologies</i> , <b>2011</b> , 17, 1547-1556	1.7	5
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21	An Approach to Accuracy Improvements in the Flexible Machining of Curved Profiles. <i>Advanced Materials Research</i> , <b>2008</b> , 43, 123-134	0.5	1
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15	Quality assurance for micro manufacturing processes and primary-shaped micro components. <i>Microsystem Technologies</i> , <b>2008</b> , 14, 1823-1830	1.7	3
14	Mechanical structuring, surface treatment and tribological characterization of steel mould inserts for micro powder injection moulding. <i>Microsystem Technologies</i> , <b>2008</b> , 14, 1797-1803	1.7	6
13	Production of two-material micro-assemblies by two-component powder injection molding and sinter-joining. <i>Microsystem Technologies</i> , <b>2008</b> , 14, 1805-1811	1.7	33
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