

Berend Denkena

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.

407
papers

2,789
citations

24
h-index

37
g-index

433
ext. papers

3,381
ext. citations

1.9
avg, IF

5.81
L-index

#	Paper	IF	Citations
407	Electromagnetic Ultra-Precision Linear Guide. <i>Lecture Notes in Production Engineering</i> , 2022 , 75-106	0	
406	Wear-adaptive optimization of in-process conditioning parameters during face plunge grinding of PcBN.. <i>Scientific Reports</i> , 2022 , 12, 1012	4.9	0
405	Development and analysis of a mechatronic system for in-process monitoring and compensation of straightness deviation in BTA deep hole drilling. <i>Mechanical Systems and Signal Processing</i> , 2022 , 170, 108838	7.8	0
404	Design of Simulation Models. <i>Springer Series in Advanced Manufacturing</i> , 2022 , 181-204	0.9	1
403	Operational behaviour of graded diamond grinding wheels for end mill cutter machining. <i>SN Applied Sciences</i> , 2022 , 4, 1	1.8	0
402	Ecological Planning of Manufacturing Process Chains. <i>Sustainability</i> , 2022 , 14, 2681	3.6	
401	Turning Copper and Aluminum Alloys with Natural Rocks as Cutting Tools.. <i>Materials</i> , 2022 , 15,	3.5	1
400	Ultra Precision High Performance Axis Control. <i>Lecture Notes in Production Engineering</i> , 2022 , 147-170	0	
399	Suitability of natural rocks as materials for cutting tools. <i>SN Applied Sciences</i> , 2022 , 4, 1	1.8	2
398	Laser Scanning Based Object Detection to Realize Digital Blank Shadows for Autonomous Process Planning in Machining. <i>Journal of Manufacturing and Materials Processing</i> , 2022 , 6, 1	2.2	
397	Kostenvorteile durch adaptive Prüfplanung. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , 2022 , 117, 178-181	0.5	
396	Investigation of the material separation behaviour of rocks using scratch tests for the design of tool grinding processes. <i>SN Applied Sciences</i> , 2022 , 4, 1	1.8	0
395	Effect of mechanical finishing on residual stresses and application behavior of wire arc additive manufactured aluminum components. <i>Procedia CIRP</i> , 2022 , 108, 135-140	1.8	
394	Artificial Wear for the Assessment of Monitoring Performance. <i>Procedia CIRP</i> , 2021 , 104, 1023-1028	1.8	
393	Grinding Strategies for Local and Stress Orientated Subsurface Modification of Sheet-Bulk Metal Forming Tools. <i>Lecture Notes in Production Engineering</i> , 2021 , 286-306	0	
392	FE-Simulation Based Design of Wear-Optimized Cutting Edge Roundings. <i>Journal of Manufacturing and Materials Processing</i> , 2021 , 5, 126	2.2	2
391	Transfer of Process References between Machine Tools for Online Tool Condition Monitoring. <i>Machines</i> , 2021 , 9, 282	2.9	

390	Tool deflection compensation by drive signal-based force reconstruction and process control. <i>Procedia CIRP</i> , 2021 , 104, 571-575	1.8	2
389	Influence of a Dynamic Consolidation Force on In Situ Consolidation Quality of Thermoplastic Composite Laminate. <i>Journal of Composites Science</i> , 2021 , 5, 88	3	1
388	Feeling Machine for Process Monitoring of Components with Stock Allowance. <i>Machines</i> , 2021 , 9, 53	2.9	0
387	Development of a Shape Replicating Draping Unit for Continuous Layup of Unidirectional Non-Crimp Fabrics on Complex Surface Geometries. <i>Journal of Composites Science</i> , 2021 , 5, 93	3	1
386	Anwendungen des maschinellen Lernens in der Produktion aus Auftrags- und Produktsicht. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , 2021 , 116, 358-362	0.5	0
385	Quantum algorithms for process parallel flexible job shop scheduling. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2021 , 33, 100-114	3.4	8
384	Effects on the deformation-induced martensitic transformation in AISI 304 in external longitudinal turning. <i>Advances in Industrial and Manufacturing Engineering</i> , 2021 , 2, 100044	1.8	1
383	Magnetführung in der Optikkfertigung. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , 2021 , 116, 279-283	0.5	
382	Preload monitoring of single nut ball screws based on sensor fusion. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2021 , 33, 63-70	3.4	1
381	Reprint of: Gentelligent processes in biologically inspired manufacturing. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2021 , 34, 105-105	3.4	
380	A novel approach to determine the velocity dependency of the friction behavior during machining by means of digital particle image velocimetry (DPIV). <i>CIRP Journal of Manufacturing Science and Technology</i> , 2021 , 32, 81-90	3.4	7
379	Machining Processes. <i>Springer Handbooks</i> , 2021 , 409-460	1.3	
378	Sensory zero-point clamping system for condition and process monitoring. <i>Procedia CIRP</i> , 2021 , 96, 359-364	1.8	1
377	Modular sequence optimization with hybrid genetic algorithm. <i>Procedia CIRP</i> , 2021 , 96, 51-56	1.8	0
376	Gentelligent processes in biologically inspired manufacturing. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2021 , 32, 1-15	3.4	4
375	Prediction of plastic surface defects for 5-axis ball end milling of Ti-6Al-4 V with rounded cutting edges using a material removal simulation. <i>CIRP Annals - Manufacturing Technology</i> , 2021 , 70, 91-94	4.9	2
374	Potential of process information transfer along the process chain of hybrid components for process monitoring of the cutting process. <i>Production Engineering</i> , 2021 , 15, 199-209	1.9	3
373	Surface topography after deep rolling with milling kinematics. <i>Production Engineering</i> , 2021 , 15, 587-593	1.9	3

372	Self-optimizing process planning of multi-step polishing processes. <i>Production Engineering</i> , 2021 , 15, 563-571	1.9	1
371	Influence of End Mill Manufacturing on Cutting Edge Quality and Wear Behavior. <i>Journal of Manufacturing and Materials Processing</i> , 2021 , 5, 77	2.2	2
370	Anticipatory Online Compensation of Tool Deflection Using a Priori Information from Process Planning. <i>Journal of Manufacturing and Materials Processing</i> , 2021 , 5, 90	2.2	
369	Energieeffizientes Recycling von Titanspänen. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , 2021 , 116, 469-472	0.5	
368	Numerical and experimental analysis of thermal and mechanical tool load when turning AISI 52100 with ground cutting edge microgeometries. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2021 , 35, 494-501	3.4	1
367	Performance evaluation of the edge preparation of tungsten carbide inserts applied to hard turning. <i>International Journal of Advanced Manufacturing Technology</i> , 2021 , 112, 3515-3527	3.2	2
366	Optimised process planning for re-contouring of repair-welded tool moulds by using a specific force model. <i>Procedia CIRP</i> , 2021 , 101, 46-49	1.8	
365	Dexel-Based Simulation of Directed Energy Deposition Additive Manufacturing. <i>Journal of Manufacturing and Materials Processing</i> , 2021 , 5, 9	2.2	2
364	Schalenförmige Hybridverbunde und Inserts 2021 , 11-120		
363	Measures for Energy-Efficient Process Chains. <i>Procedia CIRP</i> , 2021 , 98, 288-293	1.8	
362	Efficient Generation of a Digital Twin Using Object Detection for Data Acquisition and XML-Interface for Model Creation. <i>Procedia CIRP</i> , 2020 , 93, 274-279	1.8	4
361	Function-optimised generation of an adapted target model for mechanical re-contouring of fan blades. <i>Procedia CIRP</i> , 2020 , 93, 562-567	1.8	0
360	Wear Behaviour of Coated Cemented Carbide Inserts in an Oxygen-Free Atmosphere when Machining Ti-6Al-4V. <i>Defect and Diffusion Forum</i> , 2020 , 404, 28-35	0.7	0
359	Correlation between Coating Properties and Thermal Load of CrAlN-Coated Cutting Tools during Machining of AISI4140. <i>Defect and Diffusion Forum</i> , 2020 , 404, 53-60	0.7	1
358	Intelligente Werkzeugzustandsüberwachung beim Schleifen. <i>JOT, Journal Fuer Oberflaechentechnik</i> , 2020 , 60, 58-60	0	
357	Investigations on Tailored Forming of AISI 52100 as Rolling Bearing Raceway. <i>Metals</i> , 2020 , 10, 1363	2.3	4
356	Energy Efficient Process Chains for the Production of Powertrains. <i>Procedia Manufacturing</i> , 2020 , 43, 48-55	1.5	
355	Single grain grinding: a novel approach to model the interactions at the grain/bond interface during grinding. <i>International Journal of Advanced Manufacturing Technology</i> , 2020 , 107, 4811-4822	3.2	0

354	Continuous modelling of machine tool failure durations for improved production scheduling. <i>Production Engineering</i> , 2020 , 14, 207-215	1.9	2
353	Additive manufacturing of metal-bonded grinding tools. <i>International Journal of Advanced Manufacturing Technology</i> , 2020 , 107, 2387-2395	3.2	4
352	Statistical approaches for semi-supervised anomaly detection in machining. <i>Production Engineering</i> , 2020 , 14, 385-393	1.9	4
351	Influence of subsurface properties on the application behavior of hybrid components. <i>Procedia CIRP</i> , 2020 , 87, 302-308	1.8	2
350	Influence of tool material properties on the wear behavior of cemented carbide tools with rounded cutting edges. <i>Wear</i> , 2020 , 456-457, 203395	3.5	7
349	Novel continuous generating grinding process for the production of cutting tools. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2020 , 28, 1-7	3.4	3
348	Synergistic approaches to ultra-precision high performance cutting. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2020 , 28, 38-51	3.4	7
347	Prediction of part distortion in re-contouring processes. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2020 , 29, 25-35	3.4	0
346	Generation of tailored subsurface zones in steels containing metastable austenite by adaptive machining and validation by eddy current testing. <i>TM Technisches Messen</i> , 2020 , 87, 704-713	0.7	2
345	Deflection compensation on a force sensing mobile machine tool. <i>Procedia Manufacturing</i> , 2020 , 52, 1561-1571	1.5	1
344	Spannköpfe überwachen sich selbst. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , 2020 , 115, 74-76	0.5	
343	Wiederaufbereitung von Wendeschneidplatten aus Gestein. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , 2020 , 115, 476-479	0.5	
342	Energieeffiziente Herstellung von Titanbauteilen. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , 2020 , 115, 617-620	0.5	1
341	KI-gestützte Prozessüberwachung in der Zerspanung. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , 2020 , 115, 295-298	0.5	
340	Piezo-actuated hybrid tool for the micro structuring of cylinder liners in an energy-efficient process chain. <i>Procedia Manufacturing</i> , 2020 , 52, 138-143	1.5	
339	Simulationsbasierte kombinierte Instandhaltungs- und Produktionsplanung 2020 , 261-273		3
338	Simulation-based feed rate adaptation considering tool wear condition. <i>Procedia Manufacturing</i> , 2020 , 52, 133-137	1.5	1
337	Influence of the cutting direction angle on the tool wear behavior in face plunge grinding of PcBN. <i>Wear</i> , 2020 , 454-455, 203325	3.5	5

336	New profiling approach with geometrically defined cutting edges for sintered metal bonded CBN grinding layers. <i>Journal of Materials Processing Technology</i> , 2020 , 278, 116473	5.3	2
335	Electrical energy and material efficiency analysis of machining, additive and hybrid manufacturing. <i>Journal of Cleaner Production</i> , 2020 , 251, 119731	10.3	18
334	Simulation-based compensation of deflection errors in helical flute grinding. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2020 , 28, 136-143	3.4	4
333	Cooling of motor spindles – review. <i>International Journal of Advanced Manufacturing Technology</i> , 2020 , 110, 3273-3294	3.2	6
332	Pulsed laser micro ablation of polycrystalline cubic boron nitride. <i>Procedia CIRP</i> , 2020 , 94, 823-828	1.8	1
331	Grinding of transformation-toughened mixed oxide ceramic. <i>International Journal of Advanced Manufacturing Technology</i> , 2020 , 109, 1463-1478	3.2	5
330	Wear curve based online feature assessment for tool condition monitoring. <i>Procedia CIRP</i> , 2020 , 88, 312-387	3.8	2
329	Formation of White Etching Layers by Deep Rolling of AISI 4140 Steel. <i>Journal of Materials Engineering and Performance</i> , 2020 , 29, 4351-4359	1.6	
328	Feeling Machine for Process Monitoring of Turning Hybrid Solid Components. <i>Metals</i> , 2020 , 10, 930	2.3	3
327	Reconstruction of Process Forces in a Five-Axis Milling Center with a LSTM Neural Network in Comparison to a Model-Based Approach. <i>Journal of Manufacturing and Materials Processing</i> , 2020 , 4, 62	2.2	7
326	Analysis of different machine learning algorithms to learn stability lobe diagrams. <i>Procedia CIRP</i> , 2020 , 88, 282-287	1.8	6
325	Environmental evaluation of process chains. <i>Procedia CIRP</i> , 2020 , 88, 265-269	1.8	2
324	Energy efficient machine tools. <i>CIRP Annals - Manufacturing Technology</i> , 2020 , 69, 646-667	4.9	20
323	Production-Related Surface and Subsurface Properties and Fatigue Life of Hybrid Roller Bearing Components. <i>Metals</i> , 2020 , 10, 1339	2.3	5
322	Production of chip breakers on cemented carbide tools using laser ablation. <i>Procedia CIRP</i> , 2020 , 94, 834-839	1.8	2
321	Influence of Cemented Carbide Composition on Cutting Temperatures and Corresponding Hot Hardnesses. <i>Materials</i> , 2020 , 13,	3.5	3
320	Towards Dry Machining of Titanium-Based Alloys: A New Approach Using an Oxygen-Free Environment. <i>Metals</i> , 2020 , 10, 1161	2.3	8
319	Optimization of delivery adherence based on capacity planning and bid pricing. <i>Production Engineering</i> , 2020 , 14, 309-318	1.9	

3 ¹⁸	Chamfer texturing of tungsten carbide inserts applied to turning of grey cast iron. <i>International Journal of Advanced Manufacturing Technology</i> , 2019 , 104, 4655-4664	3.2	1
3 ¹⁷	Mathematical description of aesthetic criteria for process planning and quality control of luxury yachts. <i>Procedia CIRP</i> , 2019 , 79, 478-483	1.8	
3 ¹⁶	Compensation of part distortion in process design for re-contouring processes. <i>Procedia CIRP</i> , 2019 , 81, 820-825	1.8	1
3 ¹⁵	Porous metal bonds increase the resource efficiency for profile grinding II. <i>Procedia CIRP</i> , 2019 , 80, 114-119	1.8	3
3 ¹⁴	Approaches for an energy and resource efficient manufacturing in the aircraft industry. <i>Procedia CIRP</i> , 2019 , 80, 180-185	1.8	1
3 ¹³	Knowledge-based process planning for economical re-scheduling in production control. <i>Procedia CIRP</i> , 2019 , 81, 980-985	1.8	2
3 ¹²	Improving technological machining simulation by tailored workpiece models and kinematics. <i>Procedia CIRP</i> , 2019 , 82, 224-230	1.8	7
3 ¹¹	Automated production data feedback for adaptive work planning and production control. <i>Procedia Manufacturing</i> , 2019 , 28, 18-23	1.5	11
3 ¹⁰	Prediction of Ground Surfaces by Using the Actual Tool Topography. <i>Journal of Manufacturing and Materials Processing</i> , 2019 , 3, 40	2.2	2
3 ⁰⁹	Self-optimizing process planning for helical flute grinding. <i>Production Engineering</i> , 2019 , 13, 599-606	1.9	5
3 ⁰⁸	Energy efficiency improvement of machine tool spindle cooling system with on/off control. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2019 , 25, 14-21	3.4	18
3 ⁰⁷	Surface Integrity of Laser Beam Welded Steel/Aluminium Alloy Hybrid Shafts after Turning. <i>Metals</i> , 2019 , 9, 134	2.3	
3 ⁰⁶	Model-based manufacturing and application of metal-bonded grinding wheels. <i>CIRP Annals - Manufacturing Technology</i> , 2019 , 68, 321-324	4.9	4
3 ⁰⁵	Deep learning-based classification of production defects in automated-fiber-placement processes. <i>Production Engineering</i> , 2019 , 13, 501-509	1.9	7
3 ⁰⁴	On the pulsed laser ablation of polycrystalline cubic boron nitride Influence of pulse duration and material properties on ablation characteristics. <i>Journal of Laser Applications</i> , 2019 , 31, 022004	2.1	7
3 ⁰³	Methodology for integrative production planning in highly dynamic environments. <i>Production Engineering</i> , 2019 , 13, 317-324	1.9	11
3 ⁰²	Enhancement of roller bearing fatigue life by innovative production processes. <i>Industrial Lubrication and Tribology</i> , 2019 , 71, 1003-1006	1.3	2
3 ⁰¹	Suitability of integrated sensors for the determination of chatter characteristics in a cylindrical grinding machine. <i>International Journal of Advanced Manufacturing Technology</i> , 2019 , 102, 2339-2344	3.2	3

300	Prediction of surface residual stress and hardness induced by ball burnishing through neural networks. <i>International Journal of Manufacturing Research</i> , 2019 , 14, 295	0.4	2
299	Wear mechanisms of CVD diamond tools for patterning vitrified corundum grinding wheels. <i>Wear</i> , 2019 , 436-437, 203007	3.5	1
298	Artificial intelligence for non-destructive testing of CFRP prepreg materials. <i>Production Engineering</i> , 2019 , 13, 617-626	1.9	16
297	AUTONOMOUS MACHINING [RECENT ADVANCES IN PROCESS PLANNING AND CONTROL. <i>Journal of Machine Engineering</i> , 2019 , 19, 28-37	1.1	4
296	ENERGY-BASED CHARACTERIZATION OF PRECISION HARD MACHINING USING PARTIALLY WORN CBN CUTTING TOOLS. <i>Journal of Machine Engineering</i> , 2019 , 19, 55-62	1.1	1
295	Drehwalzen: Zerspanprozess und Oberflächenveredelung vereint. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , 2019 , 114, 422-425	0.5	
294	Digital Lernen für die digitalisierte Produktion. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , 2019 , 114, 639-642	0.5	
293	Berücksichtigung von Oberflächeneigenschaften in der CAD/CAM-Kette. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , 2019 , 114, 702-706	0.5	
292	Innovative method for cutting edge preparation with flexible diamond tools. <i>Procedia CIRP</i> , 2019 , 86, 121-125	1.8	0
291	Qualitätssicherung mittels angereicherten Prozessinformationen. <i>TM Technisches Messen</i> , 2019 , 86, 522-527		2
290	Automatic re-contouring of repair-welded tool moulds. <i>Procedia Manufacturing</i> , 2019 , 40, 45-50	1.5	3
289	Towards an autonomous maintenance, repair and overhaul process. <i>Procedia Manufacturing</i> , 2019 , 40, 77-82	1.5	8
288	Analysis of potentials to improve the machining of hybrid workpieces. <i>Production Engineering</i> , 2019 , 13, 11-19	1.9	2
287	Influence of pulsed laser ablation on the surface integrity of PCBN cutting tool materials. <i>International Journal of Advanced Manufacturing Technology</i> , 2019 , 101, 1687-1698	3.2	9
286	Simulation-Based Personnel Planning Considering Individual Competences of Employee 2019 , 613-623		
285	Self-optimizing tool path generation for 5-axis machining processes. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2019 , 24, 49-54	3.4	17
284	Material identification based on machine-learning algorithms for hybrid workpieces during cylindrical operations. <i>Journal of Intelligent Manufacturing</i> , 2019 , 30, 2449-2456	6.7	6
283	A new process chain for recycling of cemented carbide milling tools. <i>Production Engineering</i> , 2018 , 12, 547-553	1.9	2

282	Process parallel simulation of workpiece temperatures using sensory workpieces. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2018 , 21, 140-149	3.4	3
281	Production-based design of a hybrid load introduction element for thin-walled CFRP Structures. <i>Production Engineering</i> , 2018 , 12, 113-120	1.9	6
280	Automatic process parameter adaption for a hybrid workpiece during cylindrical operations. <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 95, 311-316	3.2	7
279	Automatic Regeneration of Cemented Carbide Tools for a Resource Efficient Tool Production. <i>Procedia Manufacturing</i> , 2018 , 21, 259-265	1.5	4
278	Dynamic Bid Pricing for an Optimized Resource Utilization in Small and Medium Sized Enterprises. <i>Procedia CIRP</i> , 2018 , 67, 516-521	1.8	5
277	Influence of customized cutting edge geometries on the workpiece residual stress in hard turning. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2018 , 232, 2132-2139	2.4	10
276	Fixed abrasive machining of non-metallic materials. <i>CIRP Annals - Manufacturing Technology</i> , 2018 , 67, 767-790	4.9	15
275	Impact of hybrid workpieces on statistical process monitoring of machining operations. <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 99, 765-771	3.2	2
274	Highly Dynamic Spindle Integrated Magnet Actuators for Chatter Reduction. <i>International Journal of Automation Technology</i> , 2018 , 12, 669-677	0.8	2
273	Elektromagnetische Linearführung für die hochpräzise Zerspanung. <i>ZWF Zeitschrift Für Wirtschaftlichen Fabrikbetrieb</i> , 2018 , 113, 443-447	0.5	2
272	Virtuelle Prozesssimulation für Fräprozesse. <i>ZWF Zeitschrift Für Wirtschaftlichen Fabrikbetrieb</i> , 2018 , 113, 804-808	0.5	
271	Micro crack formation in hardmetal milling tools. <i>International Journal of Refractory Metals and Hard Materials</i> , 2018 , 70, 210-214	4.1	2
270	Influence of Prepreg Material Quality on Carbon Fiber Reinforced Plastic Laminates Processed by Automated Fiber Placement. <i>Procedia CIRP</i> , 2018 , 67, 422-427	1.8	5
269	Increased performance in high speed turning of Inconel 718 by laser structuring of PcBN tools. <i>Procedia CIRP</i> , 2018 , 77, 602-605	1.8	11
268	Technological CAD/CAM chain for automated polishing of geometrically complex workpieces. <i>Procedia CIRP</i> , 2018 , 78, 313-317	1.8	2
267	Process-parallel center deviation measurement of a BTA deep-hole drilling tool. <i>Procedia Manufacturing</i> , 2018 , 24, 229-234	1.5	5
266	Investigations on a standardized process chain and support structure related rework procedures of SLM manufactured components. <i>Procedia Manufacturing</i> , 2018 , 18, 50-57	1.5	8
265	Grinding of riblets with Beaver tooth multi-layer tools. <i>Procedia CIRP</i> , 2018 , 71, 155-159	1.8	3

264	Chip formation in machining metal bonded grinding layers. <i>Procedia CIRP</i> , 2018 , 78, 55-60	1.8	3
263	Residual stresses in grinding of forming tools with toric grinding pins. <i>Procedia CIRP</i> , 2018 , 71, 354-357	1.8	6
262	Energy-efficient control of dust extraction for the machining of fibre-reinforced plastics. <i>Procedia CIRP</i> , 2018 , 78, 49-54	1.8	2
261	Technology-Based Recontouring of Blade Integrated Disks After Weld Repair. <i>Journal of Engineering for Gas Turbines and Power</i> , 2018 , 140,	1.7	1
260	Investigations on a predictive process parameter adaptation for machining of hybrid workpieces. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2018 , 23, 1-5	3.4	2
259	Cutting mechanism and surface integrity in milling of Ti-5553 processed by selective laser melting. <i>Journal of Mechanical Science and Technology</i> , 2018 , 32, 4883-4892	1.6	12
258	Frictionally damped tool holder for long projection cutting tools. <i>Production Engineering</i> , 2018 , 12, 715-723	1.7	2
257	Feeling machines for online detection and compensation of tool deflection in milling. <i>CIRP Annals - Manufacturing Technology</i> , 2018 , 67, 423-426	4.9	20
256	Porous Metal Bonds Increase the Resource Efficiency for Profile Grinding. <i>Procedia CIRP</i> , 2018 , 69, 265-278	1.8	2
255	Resource Efficient Regrinding of Cemented Carbide Milling Tools. <i>Procedia CIRP</i> , 2018 , 69, 882-887	1.8	4
254	Estimation of Production Cost in an Early Design Stage of CFRP Lightweight Structures. <i>Procedia CIRP</i> , 2017 , 62, 45-50	1.8	3
253	Analytical Modeling of Surface Roughness, Hardness and Residual Stress Induced by Deep Rolling. <i>Journal of Materials Engineering and Performance</i> , 2017 , 26, 876-884	1.6	6
252	Non-Destructive Determination of Residual Stress Depth Profiles of Hybrid Components by Energy Dispersive Residual Stress Measurement. <i>Key Engineering Materials</i> , 2017 , 742, 613-620	0.4	8
251	Impact of Hard Machining on Zirconia Based Ceramics for Dental Applications. <i>Procedia CIRP</i> , 2017 , 65, 248-252	1.8	15
250	Combining in-house Pooling and Sequencing for Product Regeneration by Means of Event-driven Simulation. <i>Procedia CIRP</i> , 2017 , 62, 153-158	1.8	2
249	Competence-based Personnel Scheduling through Production Data. <i>Procedia CIRP</i> , 2017 , 63, 265-270	1.8	7
248	Machine Learning Approach for Optimization of Automated Fiber Placement Processes. <i>Procedia CIRP</i> , 2017 , 66, 74-78	1.8	19
247	Thermal Image-based Monitoring for the Automated Fiber Placement Process. <i>Procedia CIRP</i> , 2017 , 62, 27-32	1.8	15

246	Material Removal Mechanisms in Grinding of Mixed Oxide Ceramics. <i>Procedia CIRP</i> , 2017 , 65, 70-77	1.8	10
245	Performance of a piezo-hydraulic fine positioning device: Experimental analyses with a scaled model. <i>Production Engineering</i> , 2017 , 11, 613-619	1.9	1
244	Holistic process planning chain for robot machining. <i>Production Engineering</i> , 2017 , 11, 715-722	1.9	5
243	Tool Deflection Control by a Sensory Spindle Slide for Milling Machine Tools. <i>Procedia CIRP</i> , 2017 , 62, 329-334	1.8	13
242	Hybrid tool for high performance structuring and honing of cylinder liners. <i>CIRP Annals - Manufacturing Technology</i> , 2017 , 66, 113-116	4.9	8
241	The influence of the cutting tool microgeometry on the machinability of hardened AISI 4140 steel. <i>International Journal of Advanced Manufacturing Technology</i> , 2017 , 90, 2557-2565	3.2	12
240	Design of individual re-contouring processes. <i>Procedia Manufacturing</i> , 2017 , 14, 76-88	1.5	5
239	Design and optimization of a machining robot. <i>Procedia Manufacturing</i> , 2017 , 14, 89-96	1.5	22
238	Smart and energy-efficient dust suction concept for milling of fibre-reinforced plastics. <i>Production Engineering</i> , 2017 , 11, 723-729	1.9	2
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223	Prozessbegleitende Werkstoffübergangsdetektion. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , 2016 , 111, 407-410	0.5	
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221	Augmenting Milling Process Data for Shape Error Prediction. <i>Procedia CIRP</i> , 2016 , 57, 487-491	1.8	12
220	Grinding of Riblets on Curved Paths. <i>Materials Science Forum</i> , 2016 , 874, 28-33	0.4	1
219	Automated Fiber Placement Head for Manufacturing of Innovative Aerospace Stiffening Structures. <i>Procedia Manufacturing</i> , 2016 , 6, 96-104	1.5	42
218	Special issue on system-integrated intelligence. New challenges for product and production engineering. <i>Mechatronics</i> , 2016 , 34, A1-A3	3	
217	Detection of tool deflection in milling by a sensory axis slide for machine tools. <i>Mechatronics</i> , 2016 , 34, 95-99	3	11
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