

Kirsten Tracht

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

717
citations

933447

10
h-index

580821

25
g-index

67
all docs

67
docs citations

67
times ranked

676
citing authors

#	ARTICLE	IF	CITATIONS
1	Continuous maintenance and the future – Foundations and technological challenges. CIRP Annals - Manufacturing Technology, 2016, 65, 667-688.	3.6	221
2	Grasping devices and methods in automated production processes. CIRP Annals - Manufacturing Technology, 2014, 63, 679-701.	3.6	180
3	Failure probability prediction based on condition monitoring data of wind energy systems for spare parts supply. CIRP Annals - Manufacturing Technology, 2013, 62, 127-130.	3.6	28
4	Spare Parts Planning for Offshore Wind Turbines Subject to Restrictive Maintenance Conditions. Procedia CIRP, 2013, 7, 563-568.	1.9	18
5	Progress Monitoring and Gesture Control in Manual Assembly Systems Using 3D-image Sensors. Procedia CIRP, 2015, 37, 1-6.	1.9	17
6	Concept of a Mixed-Reality Learning Environment for Collaborative Robotics. Procedia Manufacturing, 2020, 45, 19-24.	1.9	17
7	BERTHA - A Flexible Learning Factory for Manual Assembly. Procedia CIRP, 2016, 54, 119-123.	1.9	16
8	Online-control of assembly processes in paced production lines. CIRP Annals - Manufacturing Technology, 2015, 64, 395-398.	3.6	15
9	Consolidation of product lifecycle information within human-robot collaboration for assembly of multi-variant products. Procedia Manufacturing, 2020, 49, 217-221.	1.9	12
10	Advanced manufacturing system for forging products. Journal of Materials Processing Technology, 2003, 138, 16-21.	6.3	10
11	Implementation of virtual reality systems for simulation of human-robot collaboration. Procedia Manufacturing, 2018, 19, 164-170.	1.9	10
12	Calibration of a modular assembly system for personalized and adaptive human robot collaboration. Procedia CIRP, 2018, 76, 199-204.	1.9	10
13	Design and implementation of multiaxial force sensing gripper fingers. Production Engineering, 2014, 8, 765-772.	2.3	9
14	Classification of assembly operations using machine learning algorithms based on visual sensor data. Procedia CIRP, 2021, 97, 110-116.	1.9	9
15	Demand Planning based on Performance Measurement Systems in Closed Loop Supply Chains. Procedia CIRP, 2013, 12, 324-329.	1.9	8
16	Integration of Expert Judgment into Remaining Useful Lifetime Prediction of Components. Procedia CIRP, 2014, 22, 109-114.	1.9	8
17	Augmented Reality for teaching collaborative robots based on a physical simulation. , 2018, , 41-48.		8
18	Process Chains in Microforming Technology Using Scaling Effects. AIP Conference Proceedings, 2011, , .	0.4	7

#	ARTICLE	IF	CITATIONS
19	Human-in-the-loop simulation for virtual commissioning of human-robot-collaboration. Procedia CIRP, 2020, 88, 229-233.	1.9	7
20	Wire Joining by Rotary Swaging. Procedia Engineering, 2014, 81, 2012-2017.	1.2	6
21	Controlling and Assisting Manual Assembly Processes by Automated Progress and Gesture Recognition. Applied Mechanics and Materials, 0, 840, 50-57.	0.2	6
22	Logistical Control of Flexible Processes in High-throughput Systems by Order Release and Sequence Planning. Procedia CIRP, 2016, 52, 245-250.	1.9	6
23	Suitability of the ISO 10303-207 Standard for Product Modeling of Line Linked Micro Parts. Procedia CIRP, 2012, 3, 358-363.	1.9	5
24	Applied Repairable-item Inventory Modeling in the Aviation Industry. Procedia CIRP, 2013, 11, 334-339.	1.9	5
25	Varying Repair Capacity in a Repairable Item System. Procedia CIRP, 2014, 17, 446-450.	1.9	5
26	Accelerating High-Throughput Screening for Structural Materials with Production Management Methods. Materials, 2018, 11, 1330.	2.9	5
27	STEP product model for micro formed linked parts. Production Engineering, 2016, 10, 293-303.	2.3	4
28	Derivative Products Supporting Product Development and Design for Assembly. Procedia Manufacturing, 2018, 19, 143-147.	1.9	4
29	Order Release for Temporary Paced Sequences in Flexible High Throughput Systems. Procedia CIRP, 2018, 72, 689-694.	1.9	4
30	Decentralised dis- and reassembly control in maintenance of large-scale products. Procedia Manufacturing, 2018, 16, 187-192.	1.9	4
31	Application of derivative products for integrating expert knowledge into assembly process planning. Procedia CIRP, 2020, 88, 88-93.	1.9	4
32	Releasing principles for dry-adhesive handling of microobjects. Procedia CIRP, 2020, 91, 503-507.	1.9	4
33	Stochastische Einflüsse auf die Instandhaltung von Windenergieanlagen. ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb, 2012, 107, 99-103.	0.3	4
34	Parameter Optimization in High-Throughput Testing for Structural Materials. Materials, 2019, 12, 3439.	2.9	3
35	Encapsulation of sensory gripper fingers with silicone rubber. Procedia CIRP, 2020, 91, 439-444.	1.9	3
36	Impact of Parameter Changes in a Service Provider Closed-Loop Supply Chain with Customer-Owned-Stock. , 2012, , 593-598.		3

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37	Steuerung komplexer Montageprozesse durch mitarbeiterspezifische Informationsbereitstellung. ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb, 2015, 110, 783-786.	0.3	3
38	Increased output in micro production by tolerance field widening and synchronisation. MATEC Web of Conferences, 2018, 190, 15006.	0.2	2
39	Trend-specific clustering for micro mass production of linked parts. CIRP Annals - Manufacturing Technology, 2018, 67, 9-12.	3.6	2
40	Joining Linked Micro Formed Parts through Tolerance Field Widening and Synchronization. , 2017, , 53-61.		2
41	Assembly workshops for acquiring and integrating expert knowledge into assembly process planning using rapid prototyping model. , 2018, , 13-21.		2
42	Improving Design Efforts and Assembly Efficiency of Rotor Blade Carriers through Modularisation. Procedia CIRP, 2016, 50, 76-81.	1.9	1
43	Customer stock in repairable item systems. Production Engineering, 2016, 10, 209-216.	2.3	1
44	Decision tool for designing derivative products for supporting assembly planning of large-volume assembly groups. Procedia CIRP, 2018, 76, 31-35.	1.9	1
45	Material Supply Strategy for Decentralised Assembly Control in Team Assembly. Procedia CIRP, 2019, 86, 294-299.	1.9	1
46	Elementary systems design for urban production and through life engineering services. Procedia Manufacturing, 2020, 49, 38-41.	1.9	1
47	Rationalisierung in der Herstellung kundenspezifischer Zwischenprodukte. ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb, 2013, 108, 869-871.	0.3	1
48	Integration of Operational Data into Maintenance Planning. Decision Engineering, 2015, , 225-240.	2.0	1
49	Dezentrale Montagesteuerung in der Gruppenmontage. ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb, 2018, 113, 584-587.	0.3	1
50	Feasibility of Mutualistic Networks for Different Types of Assembly Organization. , 2019, , 158-167.		1
51	Mobile, Modular and Adaptive Assembly Jigs for Large-Scale Products. , 2022, , 39-50.		1
52	Consideration of sustainability in order policies for spare parts. , 2013, , .		0
53	Spare parts for selectively assembled linked parts in micro production. Procedia Manufacturing, 2018, 19, 82-86.	1.9	0
54	Order Classification in Inventory Planning of Job Shop Production. Procedia Manufacturing, 2020, 49, 180-184.	1.9	0

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55	Planning of Structural Dynamic Production Systems with High Variation of Products. , 2020, , .		0
56	Robustness as Enabler for Sustainable Production Networks. Procedia CIRP, 2020, 93, 759-764.	1.9	0
57	Algorithm for High-Throughput Scheduling of Paced Sequences. Procedia Manufacturing, 2020, 43, 223-230.	1.9	0
58	Produktdatenmanagement in interdisziplinären Forschungsvorhaben. ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb, 2012, 107, 836-839.	0.3	0
59	Process Design. Lecture Notes in Production Engineering, 2020, , 95-132.	0.4	0
60	Integration of Collaborative Robotics in Vocational Training Using Mixed Reality. , 2020, , 275-283.		0
61	Soundscape Generation for Virtual Human Robot Collaboration. Procedia CIRP, 2022, 107, 1005-1010.	1.9	0