

# Minna Lanz

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8225966/publications.pdf>

Version: 2024-02-01

83  
papers

1,200  
citations

567144

15  
h-index

454834

30  
g-index

87  
all docs

87  
docs citations

87  
times ranked

841  
citing authors

#	ARTICLE	IF	CITATIONS
1	Semantic rules for capability matchmaking in the context of manufacturing system design and reconfiguration. International Journal of Computer Integrated Manufacturing, 2023, 36, 128-154.	2.9	2
2	Dimensions for reconfiguration decision-making and concept for feasibility analysis of reconfigurable pilot lines in industry, research and education. Procedia CIRP, 2022, 107, 564-569.	1.0	1
3	Reconfigurable Pilot Lines Enabling Industry Digitalization: An Approach for Transforming Industry and Academia Needs to Requirements Specifications. Procedia CIRP, 2022, 107, 1226-1231.	1.0	6
4	Resource Interface Matchmaking as a Part of Automatic Capability Matchmaking. IFIP Advances in Information and Communication Technology, 2021, , 51-62.	0.5	1
5	Digital Innovation Hubs for Enhancing the Technology Transfer and Digital Transformation of the European Manufacturing Industry. IFIP Advances in Information and Communication Technology, 2021, , 210-219.	0.5	2
6	Digital innovation hubs for robotics – TRINITY approach for distributing knowledge via modular use case demonstrations. Procedia CIRP, 2021, 97, 45-50.	1.0	6
7	Review on existing VR/AR solutions in human–robot collaboration. Procedia CIRP, 2021, 97, 407-411.	1.0	68
8	Capability matchmaking software for rapid production system design and reconfiguration planning. Procedia CIRP, 2021, 97, 435-440.	1.0	10
9	Benchmarking pose estimation for robot manipulation. Robotics and Autonomous Systems, 2021, 143, 103810.	3.0	3
10	Trends for Low-Cost and Open-Source IoT Solutions Development for Industry 4.0. Procedia Manufacturing, 2021, 55, 298-305.	1.9	13
11	Towards the Interoperability of IoT Platforms: A Case Study for Data Collection and Data Storage. IFAC-PapersOnLine, 2021, 54, 1138-1143.	0.5	7
12	Monolithic vs. hybrid controller for multi-objective Sim-to-Real learning. , 2021, , .		0
13	Mobile and adaptive User interface for human robot collaboration in assembly tasks. , 2021, , .		3
14	Technical Maturity for Industrial Deployment of Robot Demonstrators. , 2021, , .		2
15	AR-based interaction for human-robot collaborative manufacturing. Robotics and Computer-Integrated Manufacturing, 2020, 63, 101891.	6.1	131
16	Lean Indicators for Small Batch Size Manufacturers in High Cost Countries. Procedia Manufacturing, 2020, 51, 1371-1378.	1.9	4
17	Concept for Virtual Safety Training System for Human-Robot Collaboration. Procedia Manufacturing, 2020, 51, 54-60.	1.9	13
18	Emotions-aware Digital Twins For Manufacturing. Procedia Manufacturing, 2020, 51, 605-612.	1.9	8

#	ARTICLE	IF	CITATIONS
19	Interactive learning activities for education of factory level order-to-delivery process. <i>Procedia Manufacturing</i> , 2020, 45, 504-509.	1.9	2
20	Concept for distributed robotics learning environment - Increasing the access to the robotics via modularisation of systems and mobility. <i>Procedia Manufacturing</i> , 2020, 45, 152-157.	1.9	4
21	Social Sustainability and Continuous Learning in the Circular Economy Framework. <i>Encyclopedia of the UN Sustainable Development Goals</i> , 2020, , 678-691.	0.0	1
22	Lean Manufacturing and Sustainable Development. <i>Encyclopedia of the UN Sustainable Development Goals</i> , 2020, , 423-432.	0.0	5
23	Social Manufacturing and Open Design. <i>Encyclopedia of the UN Sustainable Development Goals</i> , 2020, , 668-678.	0.0	3
24	Material Flow Analysis. <i>Encyclopedia of the UN Sustainable Development Goals</i> , 2020, , 462-475.	0.0	0
25	Lean Manufacturing and Sustainable Development. <i>Encyclopedia of the UN Sustainable Development Goals</i> , 2019, , 1-10.	0.0	3
26	A method to evaluate interface compatibility during production system design and reconfiguration. <i>Procedia CIRP</i> , 2019, 81, 282-287.	1.0	5
27	Task Balancing Between Human and Robot in Mid-Heavy Assembly Tasks. <i>Procedia CIRP</i> , 2019, 81, 157-161.	1.0	27
28	Web-based solution to automate capability matchmaking for rapid system design and reconfiguration. <i>Procedia CIRP</i> , 2019, 81, 288-293.	1.0	2
29	Characteristics of a circular economy framework to support strategic renewal in manufacturing firms. <i>Procedia CIRP</i> , 2019, 81, 653-658.	1.0	3
30	Learning environment for robotics education and industry-academia collaboration. <i>Procedia Manufacturing</i> , 2019, 31, 79-84.	1.9	18
31	The virtual FMS “an engineering education environment. <i>Procedia Manufacturing</i> , 2019, 31, 251-257.	1.9	5
32	Attaining Learning Objectives by Ontological Reasoning using Digital Twins. <i>Procedia Manufacturing</i> , 2019, 31, 349-355.	1.9	13
33	Circular Economy in Integrated Product and Production Development Education. <i>Procedia Manufacturing</i> , 2019, 33, 470-476.	1.9	12
34	Social Sustainability and Continuous Learning in the Circular Economy Framework. <i>Encyclopedia of the UN Sustainable Development Goals</i> , 2019, , 1-14.	0.0	0
35	The Comfort Zone Concept in a Human-Robot Cooperative Task. <i>IFIP Advances in Information and Communication Technology</i> , 2019, , 82-91.	0.5	2
36	Creating Resource Combinations Based on Formally Described Hardware Interfaces. <i>IFIP Advances in Information and Communication Technology</i> , 2019, , 29-39.	0.5	6

#	ARTICLE	IF	CITATIONS
37	Proof of concept of a projection-based safety system for human-robot collaborative engine assembly. , 2019, , .		4
38	Implementation of capability matchmaking software facilitating faster production system design and reconfiguration planning. Journal of Manufacturing Systems, 2019, 53, 261-270.	7.6	11
39	Why social sustainability counts: The impact of corporate social sustainability culture on financial success. Sustainable Production and Consumption, 2019, 17, 1-10.	5.7	101
40	The development of an ontology for describing the capabilities of manufacturing resources. Journal of Intelligent Manufacturing, 2019, 30, 959-978.	4.4	111
41	Comfort Design in Human Robot Cooperative Tasks. Advances in Intelligent Systems and Computing, 2019, , 521-526.	0.5	2
42	Material Flow Analysis. Encyclopedia of the UN Sustainable Development Goals, 2019, , 1-15.	0.0	0
43	Learning Experiences Involving Digital Twins. , 2018, , .		25
44	A Performance Evaluation Concept for Production Systems in an SME Network. Procedia CIRP, 2018, 72, 603-608.	1.0	17
45	Utilizing SPIN Rules to Infer the Parameters for Combined Capabilities of Aggregated Manufacturing Resources. IFAC-PapersOnLine, 2018, 51, 84-89.	0.5	15
46	An Executable Capability Concept in Formal Resource Descriptions. IFAC-PapersOnLine, 2018, 51, 102-107.	0.5	11
47	Review of vision-based safety systems for human-robot collaboration. Procedia CIRP, 2018, 72, 111-116.	1.0	95
48	Value Proposition of a Resource Description Concept in a Production Automation Domain. Procedia CIRP, 2018, 72, 1106-1111.	1.0	7
49	The FMS Training Center - a versatile learning environment for engineering education. Procedia Manufacturing, 2018, 23, 135-140.	1.9	32
50	A concept and local implementation for industry-academy collaboration and life-long learning. Procedia Manufacturing, 2018, 23, 189-194.	1.9	11
51	Micro Manufacturing Unit and the Corresponding 3D-Model for the Digital Twin. Procedia Manufacturing, 2018, 25, 55-61.	1.9	61
52	Micro Manufacturing Unit â€œ Creating Digital Twin Objects with Common Engineering Software. Procedia Manufacturing, 2018, 17, 468-475.	1.9	18
53	Product Model ontology and its use in capability-based matchmaking. Procedia CIRP, 2018, 72, 1094-1099.	1.0	19
54	Social Capital Characteristics in R&D Project Networks. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
55	Real-time and Robust Collaborative Robot Motion Control with Microsoft Kinect Â® v2. , 2018, , .		8
56	Configurator module to integrate different protocols for IoT solution. , 2018, , .		1
57	Leveraging Digital Twins for Assisted Learning of Flexible Manufacturing Systems. , 2018, , .		23
58	Role-based visualization of industrial IoT-based systems. , 2018, , .		9
59	Formal Resource and Capability Models supporting Re-use of Manufacturing Resources. Procedia Manufacturing, 2018, 19, 87-94.	1.9	21
60	Collaborative Systems and Environments for Future Working Life: Towards the Integration of Workers, Systems and Manufacturing Environments. Professional and Practice-based Learning, 2018, , 25-38.	0.2	18
61	Concepts, methods and tools for individualized production. Production Engineering, 2017, 11, 205-212.	1.1	16
62	Capability Matchmaking Procedure to Support Rapid Configuration and Re-configuration of Production Systems. Procedia Manufacturing, 2017, 11, 1053-1060.	1.9	27
63	Managing Production Complexity with Intelligent Work Orders. , 2017, , .		1
64	Formal resource and capability descriptions supporting rapid reconfiguration of assembly systems. , 2016, , .		46
65	Application of a capability-based adaptation methodology to a small-size production system. International Journal of Manufacturing Technology and Management, 2016, 30, 67.	0.1	6
66	Formal Information Model for Representing Production Resources. IFIP Advances in Information and Communication Technology, 2016, , 53-60.	0.5	6
67	Analysis of Inter-firm Co-operation in Joint Research and Development Projects. IFIP Advances in Information and Communication Technology, 2016, , 536-543.	0.5	0
68	Shop Floor-Level Control of Manufacturing Companies: An Interview Study in Finland. Management and Production Engineering Review, 2015, 6, 51-58.	1.4	2
69	Guidelines for Designing Human-Friendly User Interfaces for Factory Floor Manufacturing Operators. IFIP Advances in Information and Communication Technology, 2015, , 531-538.	0.5	1
70	Sustainability and performance indicators landscape. , 2014, , .		11
71	Requirements for manufacturing operations management and control systems in a dynamic environment. , 2014, , .		2
72	Information Flows and Design Intent in the Core of Future Product-Services in the Field of Manufacturing Industry. Key Engineering Materials, 2013, 572, 103-106.	0.4	0

#	ARTICLE	IF	CITATIONS
73	Capability-Based Adaptation of Production Systems - Practical Case Study in TUT-Microfactory Environment. Key Engineering Materials, 2013, 572, 245-248.	0.4	2
74	Social Media in Manufacturing: Just Hype or Concrete Benefits?. Lecture Notes in Mechanical Engineering, 2013, , 1023-1034.	0.3	3
75	Information Flows in Future Advanced Manufacturing Ecosystems. IFIP Advances in Information and Communication Technology, 2013, , 70-77.	0.5	1
76	Towards Intelligent Assembly and Manufacturing Environment â€“ Modular ICT Support for Holonic Manufacturing System. International Federation for Information Processing, 2012, , 154-162.	0.4	1
77	Process planning based on feature recognition method. , 2011, , .		19
78	Presenting capabilities of resources and resource combinations to support production system adaptation. , 2011, , .		16
79	Dynamic operation environment &#x2014; Towards intelligent adaptive production systems. , 2011, , .		4
80	Impact of Energy Measurements in Machining Operations. , 2010, , .		9
81	Neutral Interface for Assembly and Manufacturing Related Knowledge Exchange in Heterogeneous Design Environment. IFIP Advances in Information and Communication Technology, 2010, , 21-29.	0.5	6
82	Product-Process Ontology for Managing Assembly Specific Knowledge Between Product Design and Assembly System Simulation. , 2008, , 99-108.		4
83	Challenges of Knowledge and Information Management during New Product Introduction: Experiences from a Finnish Multinational Company. Interdisciplinary Journal of Information, Knowledge, and Management, 0, 11, 285-308.	0.0	0