Felix Ocker

List of Publications by Year
in descending order

25 papers	206 citations	1305906 8 h-index	1255698 13 g-index
25 all docs	25 docs citations	25 times ranked	120 citing authors

#	Article	IF	Citations
1	A framework for merging ontologies in the context of smart factories. Computers in Industry, 2022, 135, 103571.	5.7	9
2	An ontology-based approach for preprocessing in machine learning. , 2021, , .		2
3	Potential for combining semantics and data analysis in the context of digital twins. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200368.	1.6	12
4	Leveraging the Asset Administration Shell for Agent-Based Production Systems. IFAC-PapersOnLine, 2021, 54, 837-844.	0.5	19
5	An approach for leveraging Digital Twins in agent-based production systems. Automatisierungstechnik, 2021, 69, 1026-1039.	0.4	17
6	Leveraging Digital Twins for Compatibility Checks in Production Systems Engineering. , 2021, , .		4
7	A Knowledge Based System for Managing Heterogeneous Sources of Engineering Information. IFAC-PapersOnLine, 2020, 53, 10511-10517.	0.5	4
8	Towards Providing Feasibility Feedback in Intralogistics Using a Knowledge Graph. , 2020, , .		4
9	A concept for fault diagnosis combining Case-Based Reasoning with topological system models. IFAC-PapersOnLine, 2020, 53, 8217-8224.	0.5	2
10	Formalization of Design Patterns and Their Automatic Identification in PLC Software for Architecture Assessment. IFAC-PapersOnLine, 2020, 53, 7819-7826.	0.5	8
11	Current Challenges in the Design of Drives for Robot-Like Systems. , 2020, , .		7
12	A Framework for Automatic Initialization of Multi-Agent Production Systems Using Semantic Web Technologies. IEEE Robotics and Automation Letters, 2019, 4, 4330-4337.	3.3	25
13	Effective Innovation Implementation of Mechatronic Product-Service Systems Considering Socio-Technical Aspects. Proceedings of the Design Society International Conference on Engineering Design, 2019, 1, 3051-3060.	0.6	2
14	Applying knowledge bases to make factories smarter. Automatisierungstechnik, 2019, 67, 504-517.	0.4	10
15	A Pragmatic Approach Towards Leveraging Employee Competences by Use of Semantic Web Technologies. Proceedings of the Design Society International Conference on Engineering Design, 2019, 1, 1045-1054.	0.6	1
16	Applying Semantic Web Technologies to Provide Feasibility Feedback in Early Design Phases. Journal of Computing and Information Science in Engineering, 2019, 19, .	1.7	8
17	Technical Debt as indicator for weaknesses in engineering of automated production systems. Production Engineering, 2019, 13, 273-282.	1.1	12
18	Increasing Awareness for Potential Technical Debt in the Engineering of Production Systems. , 2019, , .		3

#	Article	IF	Citations
19	Effiziente Initialisierung von Steuerungsparametern fÃ¼r Cyber-Physische Produktionssysteme via Multi-Ebenen-Optimierung. Automatisierungstechnik, 2019, 67, 477-489.	0.4	0
20	Design Parameter Optimization of Automated Production Systems. , 2018, , .		4
21	Maintainability and evolvability of control software in machine and plant manufacturing â€”ÂAn industrial survey. Control Engineering Practice, 2018, 80, 157-173.	3.2	29
22	Supporting evolution of automated material flow systems as part of CPPS by using coupled meta models. , 2018, , .		6
23	Maturity variations of PLC-based control software within a company and among companies from the same industrial sector. , 2018, , .		7
24	Maintenance effort estimation with KAMP4aPS for cross-disciplinary automated PLC-based Production Systems - a collaborative approach. IFAC-PapersOnLine, 2017, 50, 4360-4367.	0.5	8
25	Evaluation of Selected Control Programming Languages for Process Engineers by Means of Cognitive Effectiveness and Dimensions. Journal of Software Engineering and Applications, 2017, 10, 457-481.	0.8	3