Kjeld Nielsen

List of Publications by Year
in descending order

80 papers	667 citations	759233 12 h-index	677142 22 g-index
90 all docs	90 docs citations	90 times ranked	417 citing authors

#	Article	IF	Citations
1	Towards a generic design method for reconfigurable manufacturing systems. Journal of Manufacturing Systems, 2017, 42, 179-195.	13.9	125
2	Prerequisites and Barriers for the Development of Reconfigurable Manufacturing Systems for High Speed Ramp-up. Procedia CIRP, 2016, 51, 7-12.	1.9	39
3	Reconfigurable Manufacturing on Multiple Levels: Literature Review and Research Directions. IFIP Advances in Information and Communication Technology, 2015, , 266-273.	0.7	35
4	Engineering Education in Changeable and Reconfigurable Manufacturing: Using Problem-Based Learning in a Learning Factory Environment. Procedia CIRP, 2019, 81, 7-12.	1.9	29
5	Methodology for reconfigurable fixture architecture design. CIRP Journal of Manufacturing Science and Technology, 2018, 23, 172-186.	4.5	28
6	A participatory systems design methodology for changeable manufacturing systems. International Journal of Production Research, 2018, 56, 2769-2787.	7.5	27
7	Critical enablers of changeable and reconfigurable manufacturing and their industrial implementation. Journal of Manufacturing Technology Management, 2018, 29, 983-1002.	6.4	24
8	Complexity Management in Mass Customization SMEs. Procedia CIRP, 2016, 51, 38-43.	1.9	22
9	Integrated product-process modelling for platform-based co-development. International Journal of Production Research, 2020, 58, 6185-6201.	7.5	20
10	Reconfigurable Manufacturing Potential in Small and Medium Enterprises with Low Volume and High Variety. Procedia CIRP, 2016, 51, 32-37.	1.9	17
11	Mass Customization in the House Building Industry: Literature Review and Research Directions. Frontiers in Built Environment, 2019, 5, .	2.3	17
12	Towards an engineering change management maturity grid. Journal of Engineering Design, 2016, 27, 361-389.	2.3	14
13	Changeable Manufacturing Systems Supporting Circular Supply Chains. Procedia CIRP, 2019, 81, 1423-1428.	1.9	12
14	Sustainability Evaluation of Mass Customization. IFIP Advances in Information and Communication Technology, 2013, , 175-182.	0.7	12
15	Investigating the Potential in Reconfigurable Manufacturing: A Case-Study from Danish Industry. IFIP Advances in Information and Communication Technology, 2015, , 274-282.	0.7	11
16	Evaluating the investment feasibility and industrial implementation of changeable and reconfigurable manufacturing concepts. Journal of Manufacturing Technology Management, 2018, 29, 449-477.	6.4	10
17	Platform-based product development in the process industry: a systematic literature review. International Journal of Production Research, 2023, 61, 1696-1719.	7.5	10
18	Reconfigurable Manufacturing Systems in Small and Medium Enterprises. Springer Proceedings in Business and Economics, 2017, , 205-213.	0.3	9

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19	A classification scheme for production system processes. Procedia CIRP, 2018, 72, 609-614.	1.9	9
20	Brownfield Development of Platforms for Changeable Manufacturing. Procedia CIRP, 2019, 81, 986-991.	1.9	9
21	Framework for Integrating Production System Models and Product Family Models. Procedia CIRP, 2018, 72, 592-597.	1.9	8
22	Product and Process Variety Management: Case study in the Food Industry. Procedia CIRP, 2019, 81, 1065-1070.	1.9	8
23	Towards an Industry-Applicable Design Methodology for Developing Reconfigurable Manufacturing. IFIP Advances in Information and Communication Technology, 2020, , 449-456.	0.7	8
24	Modularity in Product-Service Systems: Literature Review and Future Research Directions. IFIP Advances in Information and Communication Technology, 2018, , 150-158.	0.7	7
25	Exploring Barriers Toward the Development of Changeable and Reconfigurable Manufacturing Systems for Mass-Customized Products: An Industrial Survey. Springer Proceedings in Business and Economics, 2018, , 125-140.	0.3	7
26	Process Innovation in Learning Factories: Towards a Reference Model. IFIP Advances in Information and Communication Technology, 2019, , 658-665.	0.7	6
27	Identification of Drivers for Modular Production. IFIP Advances in Information and Communication Technology, 2015, , 235-242.	0.7	6
28	Investigating the Impact of Product Volume and Variety on Production Ramp-Up. Springer Proceedings in Business and Economics, 2017, , 421-434.	0.3	5
29	Understanding Changeability Enablers and Their Impact on Performance in Manufacturing Companies. IFIP Advances in Information and Communication Technology, 2018, , 297-304.	0.7	5
30	A Changeable Jig-Less Welding Cell for Subassembly of Construction Machinery. IFIP Advances in Information and Communication Technology, 2018, , 305-311.	0.7	5
31	A Conceptual Digital Assistance System Supporting Manual Changeovers in High-Variety Production. IFIP Advances in Information and Communication Technology, 2018, , 449-455.	0.7	5
32	Potential Benefits and Challenges of Changeable Manufacturing in the Process Industry. Procedia CIRP, 2019, 81, 944-949.	1.9	5
33	Classification coding of production systems for identification of platform candidates. CIRP Journal of Manufacturing Science and Technology, 2020, 28, 144-156.	4.5	5
34	Mass Customisation Assessment and Measurement Framework. , 2014, , 165-170.		5
35	Can the SME Successfully Adopt Mass Customization?. Springer Proceedings in Business and Economics, 2018, , 531-549.	0.3	5
36	Closed Loop Supply Chains for Sustainable Mass Customization. IFIP Advances in Information and Communication Technology, 2013, , 425-432.	0.7	5

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37	Application of Module Drivers Creating Modular Manufacturing Equipment Enabling Changeability. Procedia CIRP, 2016, 52, 134-138.	1.9	4
38	Exploring Requirements and Implementation of Changeability and Reconfigurability in Danish Manufacturing. Procedia CIRP, 2018, 72, 665-670.	1.9	4
39	Productivity, Challenges, and Applying Mass Customization in the Building and Construction Industry. Springer Proceedings in Business and Economics, 2018, , 551-565.	0.3	4
40	Learning Factory with Product Configurator for Teaching Product Family Modelling and Systems Integration. Procedia Manufacturing, 2019, 28, 70-75.	1.9	4
41	Mass Customization Measurements Metrics. Lecture Notes in Production Engineering, 2014, , 359-375.	0.4	4
42	Application of Mass Customization in the Construction Industry. IFIP Advances in Information and Communication Technology, 2015, , 161-168.	0.7	4
43	Challenges in Production and Manufacturing Systems Platform Development for Changeable Manufacturing. IFIP Advances in Information and Communication Technology, 2018, , 312-319.	0.7	3
44	Product-Process Modelling as an Enabler of Manufacturing Changeability. IFIP Advances in Information and Communication Technology, 2018, , 328-335.	0.7	3
45	Mass Customization in Food Industries: Case and Literature Study. Springer Proceedings in Business and Economics, 2018, , 519-529.	0.3	3
46	Applying and developing mass customization in construction industries â€“ A multi case study. International Journal of Construction Supply Chain Management, 2020, 10, 141-171.	0.5	3
47	Challenges in developing modular services in manufacturing companies: A multiple case study in Danish manufacturing industry. Procedia CIRP, 2019, 81, 399-404.	1.9	2
48	A Systematic Approach to Development of Changeable and Reconfigurable Manufacturing Systems. IFIP Advances in Information and Communication Technology, 2021, , 462-470.	0.7	2
49	Mass Customization and Performance Assessment: Overview and Research Directions. Lecture Notes in Production Engineering, 2014, , 333-347.	0.4	2
50	Mass Customization as Innovation Driver of International Competitiveness in Peripheral Regional SME Subcontractors. Lecture Notes in Production Engineering, 2014, , 349-357.	0.4	2
51	Customization Issues: A Four-Level Customization Model. Lecture Notes in Production Engineering, 2014, , 73-82.	0.4	2
52	Platform-Based Production Development. IFIP Advances in Information and Communication Technology, 2015, , 53-61.	0.7	2
53	Planning Nervousness in Product Segmentation: Literature Review and Research Agenda. Lecture Notes in Computer Science, 2014, , 403-410.	1.3	2
54	Cradle to Cradle Products, Modularity and Closed Loop Supply Chains. IFIP Advances in Information and Communication Technology, 2015, , 689-696.	0.7	2

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55	Mass Customization in the Building and Construction Industry. Springer Proceedings in Business and Economics, 2017, , 1-12.	0.3	1
56	A Conceptual Framework for Stage Configuration. IFIP Advances in Information and Communication Technology, 2018, , 101-109.	0.7	1
57	Production Platform Development Through the Four Loops of Concern. Springer Proceedings in Business and Economics, 2018, , 479-493.	0.3	1
58	A Literature Review on Human Changeover Ability in High-Variety Production. IFIP Advances in Information and Communication Technology, 2018, , 442-448.	0.7	1
59	An Industry-Applicable Screening Tool for the Clarification of Changeability Requirements. IFIP Advances in Information and Communication Technology, 2021, , 471-478.	0.7	1
60	From EcoDesign to Industrial Metabolism: Redefinition of Sustainable Innovation and Competitive Sustainability. IFIP Advances in Information and Communication Technology, 2013, , 111-118.	0.7	1
61	A DSM Clustering Method for Product and Service Modularization. IFIP Advances in Information and Communication Technology, 2019, , 375-382.	0.7	1
62	Applying Modular Function Deployment for Non-assembled Products in the Process Industry. Lecture Notes in Mechanical Engineering, 2022, , 661-668.	0.4	1
63	A Tool for the Comparison of Concept Designs of Reconfigurable Manufacturing Systems. Procedia CIRP, 2021, 104, 1125-1130.	1.9	1
64	Module Drivers in Product Development: A Comprehensive Review and Synthesis. Procedia CIRP, 2022, 107, 1503-1508.	1.9	1
65	Planning Nervousness in Product Segmentation: Empirical Analysis of Decision Parameters. Lecture Notes in Computer Science, 2014, , 411-418.	1.3	0
66	An Engineer-To-Order Mass Customization Development Framework. Lecture Notes in Computer Science, 2014, , 116-123.	1.3	0
67	Product family modelling for manufacturing planning. International Journal of Mass Customisation, 2015, 5, 1.	1.2	0
68	Impact of Different Financial Evaluation Parameters for Reconfigurable Manufacturing System Investments. IFIP Advances in Information and Communication Technology, 2021, , 479-487.	0.7	0
69	Changeable Manufacturing: A Comparative Study of Requirements and Potentials in Two Industrial Cases. IFIP Advances in Information and Communication Technology, 2021, , 452-461.	0.7	0
70	Metrics for Assessing Product Variety Utilization. Lecture Notes in Computer Science, 2014, , 328-335.	1.3	0
71	Slack Resource as Evolutionary Determinant of International Manufacturing Joint Ventureâ€™s Growth Performance. Lecture Notes in Computer Science, 2014, , 304-312.	1.3	0
72	A Case Investigation of Product Structure Complexity in Mass Customization Using a Data Mining Approach. Lecture Notes in Production Engineering, 2014, , 17-25.	0.4	0

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73	Prediction of Process Time for Early Production Planning Purposes. IFIP Advances in Information and Communication Technology, 2015, , 406-413.	0.7	0
74	Identification of Platform Candidates Through Production System Classification Coding. IFIP Advances in Information and Communication Technology, 2019, , 400-407.	0.7	0
75	A Bibliometric and Sentiment Analysis of CARV and MCPC Conferences in the 21st Century: Towards Sustainable Customization. Lecture Notes in Mechanical Engineering, 2022, , 3-24.	0.4	0
76	Exploring a Data-Augmented Approach for Improved Module Driver Analysis. Lecture Notes in Mechanical Engineering, 2022, , 677-685.	0.4	0
77	Product Architecture Mining: Identifying Current Architectural Solutions. Lecture Notes in Mechanical Engineering, 2022, , 694-701.	0.4	0
78	Methods and Models to Evaluate the Investment of Reconfigurable Manufacturing Systems: Literature Review and Research Directions. Lecture Notes in Mechanical Engineering, 2022, , 138-146.	0.4	0
79	Impact of Dough Property Characterization on Industrial Bread Production. Lecture Notes in Mechanical Engineering, 2022, , 628-635.	0.4	0
80	Brownfield Design of Reconfigurable Manufacturing Architectures: An Application of a Modified MFD to the Capital Goods Industry. Procedia CIRP, 2022, 107, 1293-1298.	1.9	0