

Dimitris Mourtzis

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.

211
papers

5,922
citations

40
h-index

67
g-index

234
ext. papers

7,118
ext. citations

2.9
avg, IF

6.95
L-index

#	Paper	IF	Citations
211	Introduction to cloud technology and Industry 4.0 2022 , 1-12		1
210	The mass personalization of global networks 2022 , 79-116		6
209	Production management guided by industrial internet of things and adaptive scheduling in smart factories 2022 , 117-152		1
208	Digital twins in industry 4.0 2022 , 277-316		8
207	Design of an Intelligent Robotic End Effector Based on Topology Optimization in the Concept of Industry 4.0. <i>Lecture Notes in Mechanical Engineering</i> , 2022 , 182-189	0.4	1
206	Challenges and Opportunities for Integrating Augmented Reality and Computational Fluid Dynamics Modeling under the Framework of Industry 4.0. <i>Procedia CIRP</i> , 2022 , 106, 215-220	1.8	1
205	Design and Development of an Edge-Computing Platform Towards 5G Technology Adoption for Improving Equipment Predictive Maintenance. <i>Procedia Computer Science</i> , 2022 , 200, 611-619	1.6	3
204	Closed-Loop Robotic Arm Manipulation Based on Mixed Reality. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 2972	2.6	5
203	Operator 5.0: A Survey on Enabling Technologies and a Framework for Digital Manufacturing Based on Extended Reality. <i>Journal of Machine Engineering</i> , 2022 , 22, 43-69	1.1	7
202	Development of a PSS for Smart Grid Energy Distribution Optimization based on Digital Twin. <i>Procedia CIRP</i> , 2022 , 107, 1138-1143	1.8	0
201	Integration of Mixed Reality to CFD in Industry 4.0: A Manufacturing Design Paradigm. <i>Procedia CIRP</i> , 2022 , 107, 1144-1149	1.8	
200	An Intelligent Product Service System for Adaptive Maintenance of Engineered-to-Order Manufacturing Equipment Assisted by Augmented Reality. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 5349 ^{2.6}		1
199	Digital Manufacturing 2022 , 27-45		2
198	Smart Manufacturing and Tactile Internet Powered by 5G: Investigation of Current Developments, Challenges, and Future Trends. <i>Procedia CIRP</i> , 2021 , 104, 1960-1969	1.8	
197	A Smart IoT Platform for Oncology Patient Diagnosis based on AI: Towards the Human Digital Twin. <i>Procedia CIRP</i> , 2021 , 104, 1686-1691	1.8	0
196	Quality Monitoring of Manufacturing Processes based on Full Data Utilization. <i>Procedia CIRP</i> , 2021 , 104, 1656-1661	1.8	1
195	A Methodology for the Assessment of Operator 4.0 Skills based on Sentiment Analysis and Augmented Reality. <i>Procedia CIRP</i> , 2021 , 104, 1668-1673	1.8	2

194	A Collaborative Approach on Energy-based Offered Services: Energy 4.0 Ecosystems. <i>Procedia CIRP</i> , 2021 , 104, 1638-1643	1.8	1
193	A Hybrid Teaching Factory Model for Supporting the Educational Process in COVID-19 era. <i>Procedia CIRP</i> , 2021 , 104, 1626-1631	1.8	4
192	Development and Implementation of a Digital Manufacturing Demonstrator for Engineering Education. <i>Procedia CIRP</i> , 2021 , 104, 1674-1679	1.8	1
191	A Digital Twin architecture for monitoring and optimization of Fused Deposition Modeling processes. <i>Procedia CIRP</i> , 2021 , 103, 97-102	1.8	6
190	UAVs for Industrial Applications: Identifying Challenges and Opportunities from the Implementation Point of View. <i>Procedia Manufacturing</i> , 2021 , 55, 183-190	1.5	4
189	Equipment Design Optimization Based on Digital Twin Under the Framework of Zero-Defect Manufacturing. <i>Procedia Computer Science</i> , 2021 , 180, 525-533	1.6	7
188	An intelligent model for workforce allocation taking into consideration the operator skills. <i>Procedia CIRP</i> , 2021 , 97, 196-201	1.8	4
187	Design and development of an IoT enabled platform for remote monitoring and predictive maintenance of industrial equipment. <i>Procedia Manufacturing</i> , 2021 , 54, 166-171	1.5	9
186	Collaborative manufacturing design: a mixed reality and cloud-based framework for part design. <i>Procedia CIRP</i> , 2021 , 100, 97-102	1.8	7
185	Energy trade market effect on production scheduling: an Industrial Product-Service System (IPSS) approach. <i>International Journal of Computer Integrated Manufacturing</i> , 2021 , 34, 76-94	4.3	12
184	An AR based Digital Twin for Laser based manufacturing process monitoring. <i>Procedia CIRP</i> , 2021 , 102, 258-263	1.8	1
183	Integrated and adaptive AR maintenance and shop-floor rescheduling. <i>Computers in Industry</i> , 2021 , 125, 103383	11.6	15
182	Robust Engineering for the Design of Resilient Manufacturing Systems. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 3067	2.6	11
181	A survey of digital B2B platforms and marketplaces for purchasing industrial product service systems: A conceptual framework. <i>Procedia CIRP</i> , 2021 , 97, 331-336	1.8	9
180	Smart Manufacturing and Tactile Internet Based on 5G in Industry 4.0: Challenges, Applications and New Trends. <i>Electronics (Switzerland)</i> , 2021 , 10, 3175	2.6	16
179	Two-Layer Genetic Algorithm for the Charge Scheduling of Electric Vehicles 2020 ,		1
178	Design and development of a flexible manufacturing cell in the concept of learning factory paradigm for the education of generation 4.0 engineers. <i>Procedia Manufacturing</i> , 2020 , 45, 361-366	1.5	9
177	Augmented reality visualization of production scheduling and monitoring. <i>Procedia CIRP</i> , 2020 , 88, 151-158		6

176	Real-Time Remote Maintenance Support Based on Augmented Reality (AR). <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1855	2.6	43
175	A manufacturing innovation overview: concepts, models and metrics. <i>International Journal of Computer Integrated Manufacturing</i> , 2020 , 33, 769-791	4.3	9
174	A cloud-based resource planning tool for the production and installation of industrial product service systems (IPSS). <i>International Journal of Advanced Manufacturing Technology</i> , 2020 , 106, 4945-4963	3.2	21
173	An Augmented Reality Collaborative Product Design Cloud-Based Platform in the Context of Learning Factory. <i>Procedia Manufacturing</i> , 2020 , 45, 546-551	1.5	26
172	A Digital Twin for Automated Root-Cause Search of Production Alarms Based on KPIs Aggregated from IoT. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2377	2.6	16
171	Skills Requirements for the 4th Industrial Revolution: The Additive Manufacturing case. <i>MATEC Web of Conferences</i> , 2020 , 318, 01021	0.3	2
170	Machine Tool 4.0 in the Era of Digital Manufacturing 2020 ,		12
169	The Evolution of Manufacturing Systems 2020 , 446-477		1
168	Cycle Time Estimation Model for Hybrid Assembly Stations Based on Digital Twin. <i>IFIP Advances in Information and Communication Technology</i> , 2020 , 169-175	0.5	2
167	Adaptive Scheduling in the Era of Cloud Manufacturing. <i>Profiles in Operations Research</i> , 2020 , 61-85	1	2
166	An Adaptive Scheduling Method Based on Cloud Technology: A Structural Steelwork Industry Case Study. <i>Lecture Notes in Mechanical Engineering</i> , 2020 , 1-14	0.4	2
165	A Framework for Automatic Generation of Augmented Reality Maintenance & Repair Instructions based on Convolutional Neural Networks. <i>Procedia CIRP</i> , 2020 , 93, 977-982	1.8	12
164	Recycling and retrofitting for industrial equipment based on augmented reality. <i>Procedia CIRP</i> , 2020 , 90, 606-610	1.8	3
163	An augmented reality application for robotic cell customization. <i>Procedia CIRP</i> , 2020 , 90, 654-659	1.8	3
162	A Framework for Adaptive Scheduling in Cellular Manufacturing Systems. <i>Procedia CIRP</i> , 2020 , 93, 989-994	1.8	3
161	Design and manufacturing of a smart mobility platform's context awareness and path planning module: A PSS approach. <i>Procedia Manufacturing</i> , 2020 , 51, 61-66	1.5	3
160	A Decision-Making Framework for the Smart Charging of Electric Vehicles Considering the Priorities of the Driver. <i>Energies</i> , 2020 , 13, 6120	3.1	6
159	An intelligent framework for modelling and simulation of artificial neural networks (ANNs) based on augmented reality. <i>International Journal of Advanced Manufacturing Technology</i> , 2020 , 111, 1603-1616	3.2	5

158	Intelligent Predictive Maintenance and Remote Monitoring Framework for Industrial Equipment Based on Mixed Reality. <i>Frontiers in Mechanical Engineering</i> , 2020 , 6,	2.6	17
157	A knowledge-based collaborative platform for PSS design and production. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2020 , 29, 220-231	3.4	13
156	Simulation in the design and operation of manufacturing systems: state of the art and new trends. <i>International Journal of Production Research</i> , 2020 , 58, 1927-1949	7.8	219
155	Warehouse Design and Operation using Augmented Reality technology: A Papermaking Industry Case Study. <i>Procedia CIRP</i> , 2019 , 79, 574-579	1.8	14
154	An Adaptive Framework for Augmented Reality Instructions Considering Workforce Skill. <i>Procedia CIRP</i> , 2019 , 81, 363-368	1.8	25
153	Enabling Knowledge Transfer through Analytics in Industrial Social Networks. <i>Procedia CIRP</i> , 2019 , 81, 1242-1247	1.8	3
152	Mapping Vulnerabilities in the Industrial Internet of Things Landscape. <i>Procedia CIRP</i> , 2019 , 84, 265-270	1.8	7
151	Modelling of Customer Oriented Applications in Product Lifecycle using RAMI 4.0. <i>Procedia Manufacturing</i> , 2019 , 28, 31-36	1.5	8
150	Optimization of highly automated production line: An advanced engineering educational approach. <i>Procedia Manufacturing</i> , 2019 , 31, 45-51	1.5	7
149	Manufacturing System Design using Simulation in Metal Industry towards Education 4.0. <i>Procedia Manufacturing</i> , 2019 , 31, 155-161	1.5	6
148	Complexity in Industry 4.0 Systems and Networks. <i>Complexity</i> , 2019 , 2019, 1-2	1.6	2
147	Modelling and quantification of industry 4.0 manufacturing complexity based on information theory: a robotics case study. <i>International Journal of Production Research</i> , 2019 , 57, 6908-6921	7.8	38
146	An event-driven integrative framework enabling information notification among manufacturing resources. <i>International Journal of Computer Integrated Manufacturing</i> , 2019 , 32, 241-252	4.3	16
145	Global production networks: Design and operation. <i>CIRP Annals - Manufacturing Technology</i> , 2019 , 68, 823-841	4.9	91
144	Augmented reality application to support the assembly of highly customized products and to adapt to production re-scheduling. <i>International Journal of Advanced Manufacturing Technology</i> , 2019 , 105, 3899-3910	3.2	51
143	Frugal innovation and its application in manufacturing networks. <i>Manufacturing Letters</i> , 2019 , 20, 27-29	4.5	8
142	A cloud-based, knowledge-enriched framework for increasing machining efficiency based on machine tool monitoring. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2019 , 233, 278-292	2.4	21
141	Product-service system (PSS) complexity metrics within mass customization and Industry 4.0 environment. <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 97, 91-103	3.2	46

140	Customer feedback gathering and management tools for product-service system design. <i>Procedia CIRP</i> , 2018 , 67, 577-582	1.8	18
139	Cyber- Physical Systems and Education 4.0 The Teaching Factory 4.0 Concept. <i>Procedia Manufacturing</i> , 2018 , 23, 129-134	1.5	86
138	Augmented Reality supported Product Design towards Industry 4.0: a Teaching Factory paradigm. <i>Procedia Manufacturing</i> , 2018 , 23, 207-212	1.5	25
137	An Internet of Things-Based Monitoring System for Shop-Floor Control. <i>Journal of Computing and Information Science in Engineering</i> , 2018 , 18,	2.4	30
136	A Lean PSS design and evaluation framework supported by KPI monitoring and context sensitivity tools. <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 94, 1623-1637	3.2	28
135	An approach for the modelling and quantification of PSS customisation. <i>International Journal of Production Research</i> , 2018 , 56, 1137-1153	7.8	26
134	An industrial Internet of things based platform for context-aware information services in manufacturing. <i>International Journal of Computer Integrated Manufacturing</i> , 2018 , 31, 1111-1123	4.3	42
133	Development of a Key Performance Indicator Assessment Methodology and Software Tool for Product-Service System Evaluation and Decision-Making Support. <i>Journal of Computing and Information Science in Engineering</i> , 2018 , 18,	2.4	17
132	The Product Service System Lean Design Methodology (PSSLDM). <i>Journal of Manufacturing Technology Management</i> , 2018 , 29, 1270-1295	7.1	36
131	Modularity as a support for frugal product and supplier network co-definition under regional market constraints: a mirroring hypothesis application. <i>International Journal of Production Research</i> , 2018 , 56, 6575-6590	7.8	10
130	Design of customised products and manufacturing networks: towards frugal innovation. <i>International Journal of Computer Integrated Manufacturing</i> , 2018 , 31, 1161-1173	4.3	15
129	Ontology-Based Framework Enabling Smart Product-Service Systems: Application of Sensing Systems for Machine Health Monitoring. <i>IEEE Internet of Things Journal</i> , 2018 , 5, 4496-4505	10.7	34
128	Mobile apps for providing product-service systems and retrieving feedback throughout their lifecycle: a robotics use case. <i>International Journal of Product Lifecycle Management</i> , 2018 , 11, 116	1.5	6
127	Maintenance assistance application of Engineering to Order manufacturing equipment: A Product Service System (PSS) approach. <i>IFAC-PapersOnLine</i> , 2018 , 51, 217-222	0.7	18
126	Augmented Reality based Visualization of CAM Instructions towards Industry 4.0 paradigm: a CNC Bending Machine case study. <i>Procedia CIRP</i> , 2018 , 70, 368-373	1.8	34
125	Automotive weather strip manufacturing: Process modeling and extrudate dimensional accuracy evaluation. <i>Procedia CIRP</i> , 2018 , 72, 375-380	1.8	4
124	An IoT-based Platform for Automated Customized Shopping in Distributed Environments. <i>Procedia CIRP</i> , 2018 , 72, 892-897	1.8	6
123	An Industrial Product-Service System approach for Laser Process Quality Control. <i>Procedia CIRP</i> , 2018 , 75, 403-408	1.8	3

122	Collaborative Machine Tool design: the Teaching Factory paradigm. <i>Procedia Manufacturing</i> , 2018 , 23, 123-128	1.5	8
121	4D Printing Prospects for the Aerospace Industry: a critical review. <i>Procedia Manufacturing</i> , 2018 , 18, 120-129	1.5	22
120	Towards Machine Shop 4.0: A General Machine Model for CNC machine-tools through OPC-UA. <i>Procedia CIRP</i> , 2018 , 78, 301-306	1.8	31
119	A Framework of Energy Services: From Traditional Contracts to Product-Service System (PSS). <i>Procedia CIRP</i> , 2018 , 69, 746-751	1.8	12
118	Architecture and development of an Industrial Internet of Things framework for realizing services in Industrial Product Service Systems. <i>Procedia CIRP</i> , 2018 , 72, 880-885	1.8	19
117	Enabling Small Medium Enterprises (SMEs) to improve their potential through the Teaching Factory paradigm. <i>Procedia Manufacturing</i> , 2018 , 23, 183-188	1.5	12
116	Holistic approach for integrating customers in the design, planning, and control of global production networks. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2018 , 23, 98-107	3.4	14
115	A cloud-based cyber-physical system for adaptive shop-floor scheduling and condition-based maintenance. <i>Journal of Manufacturing Systems</i> , 2018 , 47, 179-198	9.1	150
114	Development of Skills and Competences in Manufacturing Towards Education 4.0: A Teaching Factory Approach. <i>Lecture Notes in Mechanical Engineering</i> , 2018 , 194-210	0.4	18
113	Digital transformation of structural steel manufacturing enabled by IoT-based monitoring and knowledge reuse 2018 ,		2
112	Smart mobile apps for supporting product design and decision-making in the era of mass customisation. <i>International Journal of Computer Integrated Manufacturing</i> , 2017 , 30, 690-707	4.3	20
111	Lean rules extraction methodology for lean PSS design via key performance indicators monitoring. <i>Journal of Manufacturing Systems</i> , 2017 , 42, 233-243	9.1	34
110	Cloud-Based Augmented Reality Remote Maintenance Through Shop-Floor Monitoring: A Product-Service System Approach. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2017 , 139,	3.3	76
109	Mobile Feedback Gathering App for Frugal Product Design. <i>Procedia CIRP</i> , 2017 , 60, 151-156	1.8	7
108	An Integrated Collaborative Platform for managing Product-service Across their Life Cycle. <i>Procedia CIRP</i> , 2017 , 59, 220-226	1.8	21
107	Enhancing factory data integration through the development of an ontology: from the reference models reuse to the semantic conversion of the legacy models. <i>International Journal of Computer Integrated Manufacturing</i> , 2017 , 30, 1043-1059	4.3	17
106	Augmented Reality Application to Support Remote Maintenance as a Service in the Robotics Industry. <i>Procedia CIRP</i> , 2017 , 63, 46-51	1.8	99
105	Knowledge-based Estimation of Maintenance Time for Complex Engineered-to-Order Products Based on KPIs Monitoring: A PSS Approach. <i>Procedia CIRP</i> , 2017 , 63, 236-241	1.8	13

104	Engineering environment to support product-service design using value chain data 2017 ,		2
103	Metrics definition for the product-service system complexity within mass customization and industry 4.0 environment 2017 ,		4
102	Integrated Production and Maintenance Scheduling Through Machine Monitoring and Augmented Reality: An Industry 4.0 Approach. <i>IFIP Advances in Information and Communication Technology</i> , 2017 , 354-362	0.5	27
101	Resource Planning for the Installation of Industrial Product Service Systems. <i>IFIP Advances in Information and Communication Technology</i> , 2017 , 205-213	0.5	8
100	PSS Design Considering Feedback from the Entire Product-service Lifecycle and Social Media. <i>Procedia CIRP</i> , 2016 , 47, 156-161	1.8	13
99	Industrial Big Data as a Result of IoT Adoption in Manufacturing. <i>Procedia CIRP</i> , 2016 , 55, 290-295	1.8	226
98	Manufacturing systems complexity analysis methods review. <i>International Journal of Computer Integrated Manufacturing</i> , 2016 , 29, 1025-1044	4.3	35
97	Challenges and future perspectives for the life cycle of manufacturing networks in the mass customisation era. <i>Logistics Research</i> , 2016 , 9, 1		49
96	Cloud-based adaptive process planning considering availability and capabilities of machine tools. <i>Journal of Manufacturing Systems</i> , 2016 , 39, 1-8	9.1	88
95	Assembly precedence diagram generation through assembly tiers determination. <i>International Journal of Computer Integrated Manufacturing</i> , 2016 , 29, 1045-1057	4.3	35
94	A Cloud-based Approach for Maintenance of Machine Tools and Equipment Based on Shop-floor Monitoring. <i>Procedia CIRP</i> , 2016 , 41, 655-660	1.8	89
93	Disassembly Line Planning Through the Generation of End-of-Life Handling Information from Design Files. <i>Procedia CIRP</i> , 2016 , 57, 740-745	1.8	5
92	A Virtual Reality Application to Attract Young Talents to Manufacturing. <i>Procedia CIRP</i> , 2016 , 57, 134-139	2.8	18
91	PSS Design Evaluation via KPIs and Lean Design Assistance Supported by Context Sensitivity Tools. <i>Procedia CIRP</i> , 2016 , 56, 496-501	1.8	14
90	Energy Consumption Estimation for Machining Processes Based on Real-time Shop Floor Monitoring via Wireless Sensor Networks. <i>Procedia CIRP</i> , 2016 , 57, 637-642	1.8	40
89	An Inference-based Knowledge Reuse Framework for Historical Product and Production Information Retrieval. <i>Procedia CIRP</i> , 2016 , 41, 472-477	1.8	11
88	A mobile application for knowledge-enriched short-term scheduling of complex products. <i>Logistics Research</i> , 2016 , 9, 1		8
87	Manufacturing Networks Design through Smart Decision Making towards Frugal Innovation. <i>Procedia CIRP</i> , 2016 , 50, 354-359	1.8	19

86	Applications for Frugal Product Customization and Design of Manufacturing Networks. <i>Procedia CIRP</i> , 2016 , 52, 228-233	1.8	23
85	Technology-based Product-services for Supporting Frugal Innovation. <i>Procedia CIRP</i> , 2016 , 47, 126-131	1.8	16
84	Classification and Mapping of PSS Evaluation Approaches. <i>IFAC-PapersOnLine</i> , 2016 , 49, 1555-1560	0.7	21
83	Supporting Context Sensitive Lean Product Service Engineering. <i>Procedia CIRP</i> , 2016 , 47, 138-143	1.8	8
82	Cloud-based cyber-physical systems and quality of services. <i>TQM Journal</i> , 2016 , 28, 704-733	3.4	54
81	A knowledge-based social networking app for collaborative problem-solving in manufacturing. <i>Manufacturing Letters</i> , 2016 , 10, 1-5	4.5	15
80	Lean Rules Identification and Classification for Manufacturing Industry. <i>Procedia CIRP</i> , 2016 , 50, 198-203	1.8	11
79	Multi criteria assembly line design and configuration – An automotive case study. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2015 , 9, 69-87	3.4	40
78	Cloud-Based Platform for Optimal Machining Parameter Selection Based on Function Blocks and Real-Time Monitoring. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2015 , 137,	3.3	61
77	Design of manufacturing networks for mass customisation using an intelligent search method. <i>International Journal of Computer Integrated Manufacturing</i> , 2015 , 28, 679-700	4.3	19
76	On the configuration of supply chains for assemble-to-order products: Case studies from the automotive and the CNC machine building sectors. <i>Robotics and Computer-Integrated Manufacturing</i> , 2015 , 36, 13-24	9.2	10
75	Performance Indicators for the Evaluation of Product-Service Systems Design: A Review. <i>IFIP Advances in Information and Communication Technology</i> , 2015 , 592-601	0.5	19
74	Cloud-based Integrated Shop-floor Planning and Control of Manufacturing Operations for Mass Customisation. <i>Procedia CIRP</i> , 2015 , 33, 9-16	1.8	20
73	On knowledge reuse for manufacturing systems design and planning: A semantic technology approach. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2015 , 8, 1-11	3.4	51
72	A toolbox for the design, planning and operation of manufacturing networks in a mass customisation environment. <i>Journal of Manufacturing Systems</i> , 2015 , 36, 274-286	9.1	41
71	Cloud-Based Adaptive Shop-Floor Scheduling Considering Machine Tool Availability 2015 ,		14
70	A Knowledge-Enriched Problem Solving Methodology for the Design Phase of Manufacturing Equipment. <i>Procedia CIRP</i> , 2015 , 36, 95-100	1.8	1
69	The role of simulation in digital manufacturing: applications and outlook. <i>International Journal of Computer Integrated Manufacturing</i> , 2015 , 28, 3-24	4.3	85

68	Manufacturing systems complexity: An assessment of manufacturing performance indicators unpredictability. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2014 , 7, 324-334	3.4	35
67	Knowledge-based Estimation of Manufacturing Lead Time for Complex Engineered-to-order Products. <i>Procedia CIRP</i> , 2014 , 17, 499-504	1.8	27
66	Integrating Manufacturing Education with Industrial Practice Using Teaching Factory Paradigm: A Construction Equipment Application. <i>Procedia CIRP</i> , 2014 , 17, 189-194	1.8	51
65	Mobile apps for product customisation and design of manufacturing networks. <i>Manufacturing Letters</i> , 2014 , 2, 30-34	4.5	31
64	Planning of manufacturing networks using an intelligent probabilistic approach for mass customised products. <i>International Journal of Advanced Manufacturing Technology</i> , 2014 , 74, 1747-1758	3.2	18
63	Knowledge Enriched Short-term Scheduling for Engineer-to-order Products. <i>Procedia CIRP</i> , 2014 , 19, 160-167	1.8	8
62	Design and Planning of Manufacturing Networks for Mass Customisation and Personalisation: Challenges and Outlook. <i>Procedia CIRP</i> , 2014 , 19, 1-13	1.8	70
61	A web-based platform for mass customisation and personalisation. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2014 , 7, 112-128	3.4	28
60	Machine Availability Monitoring for Adaptive Holistic Scheduling: A Conceptual Framework for Mass Customization. <i>Procedia CIRP</i> , 2014 , 25, 406-413	1.8	26
59	Knowledge Capturing and Reuse to Support Manufacturing of Customised Products: A Case Study from the Mould Making Industry. <i>Procedia CIRP</i> , 2014 , 21, 123-128	1.8	12
58	Simulation in Manufacturing: Review and Challenges. <i>Procedia CIRP</i> , 2014 , 25, 213-229	1.8	160
57	Optimal Machining Parameter Selection Based on Real-Time Machine Monitoring Using IEC 61499 Function Blocks for Use in a Cloud Manufacturing Environment: A Case Study for Face Milling 2014 ,		5
56	The Evolution of Manufacturing Systems. <i>Advances in Logistics, Operations, and Management Science Book Series</i> , 2014 , 1-29	0.3	39
55	A Knowledge-Based Decision-Making Framework for the Design of Manufacturing Networks for Custom-Made Products. <i>Lecture Notes in Computer Science</i> , 2014 , 563-571	0.9	1
54	Flexibility and complexity: is it a trade-off?. <i>International Journal of Production Research</i> , 2013 , 51, 6788-6802	6.8	63
53	On industrial learning and training for the factories of the future: a conceptual, cognitive and technology framework. <i>Journal of Intelligent Manufacturing</i> , 2013 , 24, 473-485	6.7	91
52	Design and operation of manufacturing networks for mass customisation. <i>CIRP Annals - Manufacturing Technology</i> , 2013 , 62, 467-470	4.9	69
51	Manufacturing Systems: Skills & Competencies for the Future. <i>Procedia CIRP</i> , 2013 , 7, 17-24	1.8	74

50	On an Integrated Knowledge based Framework for Manufacturing Systems Early Design Phase. <i>Procedia CIRP</i> , 2013 , 9, 121-126	1.8	11
49	Manufacturing Network Design for Mass Customisation using a Genetic Algorithm and an Intelligent Search Method. <i>Procedia CIRP</i> , 2013 , 7, 37-42	1.8	10
48	Decentralized Manufacturing Systems Review: Challenges and Outlook. <i>Lecture Notes in Production Engineering</i> , 2013 , 355-369	0	19
47	Intelligent Scheduling for Manufacturing Systems: A Case Study. <i>Lecture Notes in Mechanical Engineering</i> , 2013 , 1153-1164	0.4	6
46	Environmental Impact of Centralised and Decentralised Production Networks in the Era of Personalisation. <i>Lecture Notes in Production Engineering</i> , 2013 , 371-384	0	4
45	Simulation-Based Design of Production Networks for Manufacturing of Personalised Products. <i>IFIP Advances in Information and Communication Technology</i> , 2013 , 301-309	0.5	2
44	Design of Multi-Stage Manufacturing Networks for Personalized Products Using Metaheuristics. <i>Lecture Notes in Mechanical Engineering</i> , 2013 , 1263-1276	0.4	2
43	Augmented reality applications in design and manufacturing. <i>CIRP Annals - Manufacturing Technology</i> , 2012 , 61, 657-679	4.9	402
42	Flexibility consideration in the design of manufacturing systems: An industrial case study. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2012 , 5, 276-283	3.4	13
41	A Web-based Platform for Customer Integration in the Decentralised Manufacturing of Personalised Products. <i>Procedia CIRP</i> , 2012 , 3, 209-214	1.8	10
40	On a Predictive Maintenance Platform for Production Systems. <i>Procedia CIRP</i> , 2012 , 3, 221-226	1.8	50
39	Design and Planning of Decentralised Production Networks Under High Product Variety Demand. <i>Procedia CIRP</i> , 2012 , 3, 293-298	1.8	23
38	Manufacturing Systems Complexity Review: Challenges and Outlook. <i>Procedia CIRP</i> , 2012 , 3, 644-649	1.8	61
37	Decentralized manufacturing systems review: challenges and outlook. <i>Logistics Research</i> , 2012 , 5, 113-121		51
36	A multi-criteria evaluation of centralized and decentralized production networks in a highly customer-driven environment. <i>CIRP Annals - Manufacturing Technology</i> , 2012 , 61, 427-430	4.9	82
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