

Dimitris Mourtzis

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6187395/dimitris-mourtzis-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Augmented reality applications in design and manufacturing. <i>CIRP Annals - Manufacturing Technology</i> , 2012 , 61, 657-679	4.9	402
210	Automotive assembly technologies review: challenges and outlook for a flexible and adaptive approach. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2010 , 2, 81-91	3.4	267
209	Industrial Big Data as a Result of IoT Adoption in Manufacturing. <i>Procedia CIRP</i> , 2016 , 55, 290-295	1.8	226
208	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
207	Digital manufacturing: History, perspectives, and outlook. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2009 , 223, 451-462	2.4	162
206	Simulation in Manufacturing: Review and Challenges. <i>Procedia CIRP</i> , 2014 , 25, 213-229	1.8	160
205	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
204	An approach to operational aircraft maintenance planning. <i>Decision Support Systems</i> , 2010 , 48, 604-612	5.6	100
203	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
202	Global production networks: Design and operation. <i>CIRP Annals - Manufacturing Technology</i> , 2019 , 68, 823-841	4.9	91
201	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
200	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
199	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
198	Cyber- Physical Systems and Education 4.0 The Teaching Factory 4.0 Concept. <i>Procedia Manufacturing</i> , 2018 , 23, 129-134	1.5	86
197	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
196	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
195	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

194	Manufacturing Systems: Skills & Competencies for the Future. <i>Procedia CIRP</i> , 2013 , 7, 17-24	1.8	74
193	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
192	Design and operation of manufacturing networks for mass customisation. <i>CIRP Annals - Manufacturing Technology</i> , 2013 , 62, 467-470	4.9	69
191	An intelligent search algorithm-based method to derive assembly line design alternatives. <i>International Journal of Computer Integrated Manufacturing</i> , 2012 , 25, 211-229	4.3	64
190	Flexibility and complexity: is it a trade-off?. <i>International Journal of Production Research</i> , 2013 , 51, 6788-6802	6.8	63
189	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
188	Manufacturing Systems Complexity Review: Challenges and Outlook. <i>Procedia CIRP</i> , 2012 , 3, 644-649	1.8	61
187	Modelling the complexity of manufacturing systems using nonlinear dynamics approaches. <i>CIRP Annals - Manufacturing Technology</i> , 2009 , 58, 437-440	4.9	61
186	Supply chain modeling and control for producing highly customized products. <i>CIRP Annals - Manufacturing Technology</i> , 2008 , 57, 451-454	4.9	58
185	Cloud-based cyber-physical systems and quality of services. <i>TQM Journal</i> , 2016 , 28, 704-733	3.4	54
184	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
183	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
182	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
181	Decentralized manufacturing systems review: challenges and outlook. <i>Logistics Research</i> , 2012 , 5, 113-121		51
180	On a Predictive Maintenance Platform for Production Systems. <i>Procedia CIRP</i> , 2012 , 3, 221-226	1.8	50
179	Challenges and future perspectives for the life cycle of manufacturing networks in the mass customisation era. <i>Logistics Research</i> , 2016 , 9, 1		49
178	Towards the Internet-based supply chain management for the ship repair industry. <i>International Journal of Computer Integrated Manufacturing</i> , 2004 , 17, 45-57	4.3	47
177	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

176	A web based tool for dynamic job rotation scheduling using multiple criteria. <i>CIRP Annals - Manufacturing Technology</i> , 2011 , 60, 453-456	4.9	44
175	Real-Time Remote Maintenance Support Based on Augmented Reality (AR). <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1855	2.6	43
174	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
173	DESYMA: assessing flexibility for the lifecycle of manufacturing systems. <i>International Journal of Production Research</i> , 2007 , 45, 1683-1694	7.8	42
172	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
171	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
170	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
169	The Evolution of Manufacturing Systems. <i>Advances in Logistics, Operations, and Management Science Book Series</i> , 2014 , 1-29	0.3	39
168	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
167	Refinery short-term scheduling with tank farm, inventory and distillation management: An integrated simulation-based approach. <i>European Journal of Operational Research</i> , 2005 , 166, 812-827	5.6	37
166	The Product Service System Lean Design Methodology (PSSLDM). <i>Journal of Manufacturing Technology Management</i> , 2018 , 29, 1270-1295	7.1	36
165	Manufacturing systems complexity analysis methods review. <i>International Journal of Computer Integrated Manufacturing</i> , 2016 , 29, 1025-1044	4.3	35
164	Assembly precedence diagram generation through assembly tiers determination. <i>International Journal of Computer Integrated Manufacturing</i> , 2016 , 29, 1045-1057	4.3	35
163	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
162	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
161	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
160	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
159	Quantifying the flexibility of a manufacturing system by applying the transfer function. <i>International Journal of Computer Integrated Manufacturing</i> , 2007 , 20, 538-547	4.3	33

158	Internet based collaboration in the manufacturing supply chain. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2011 , 4, 296-304	3.4	32
157	Mobile apps for product customisation and design of manufacturing networks. <i>Manufacturing Letters</i> , 2014 , 2, 30-34	4.5	31
156	A decision-making approach for nesting scheduling: A textile case. <i>International Journal of Production Research</i> , 2000 , 38, 4555-4564	7.8	31
155	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
154	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
153	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
152	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
151	Knowledge-based Estimation of Manufacturing Lead Time for Complex Engineered-to-order Products. <i>Procedia CIRP</i> , 2014 , 17, 499-504	1.8	27
150	On the information modeling for the electronic operation of supply chains: A maritime case study. <i>Robotics and Computer-Integrated Manufacturing</i> , 2008 , 24, 140-149	9.2	27
149	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
148	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
147	An approach for the modelling and quantification of PSS customisation. <i>International Journal of Production Research</i> , 2018 , 56, 1137-1153	7.8	26
146	Machine Availability Monitoring for Adaptive Holistic Scheduling: A Conceptual Framework for Mass Customization. <i>Procedia CIRP</i> , 2014 , 25, 406-413	1.8	26
145	An Adaptive Framework for Augmented Reality Instructions Considering Workforce Skill. <i>Procedia CIRP</i> , 2019 , 81, 363-368	1.8	25
144	Augmented Reality supported Product Design towards Industry 4.0: a Teaching Factory paradigm. <i>Procedia Manufacturing</i> , 2018 , 23, 207-212	1.5	25
143	An integrated system for managing ship repair operations. <i>International Journal of Computer Integrated Manufacturing</i> , 2005 , 18, 721-733	4.3	24
142	Design and Planning of Decentralised Production Networks Under High Product Variety Demand. <i>Procedia CIRP</i> , 2012 , 3, 293-298	1.8	23
141	Applications for Frugal Product Customization and Design of Manufacturing Networks. <i>Procedia CIRP</i> , 2016 , 52, 228-233	1.8	23

140	4D Printing Prospects for the Aerospace Industry: a critical review. <i>Procedia Manufacturing</i> , 2018 , 18, 120-129	1.5	22
139	An Integrated Collaborative Platform for managing Product-service Across their Life Cycle. <i>Procedia CIRP</i> , 2017 , 59, 220-226	1.8	21
138	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
137	Chaos Theory in Production Scheduling. <i>CIRP Annals - Manufacturing Technology</i> , 2004 , 53, 381-383	4.9	21
136	Classification and Mapping of PSS Evaluation Approaches. <i>IFAC-PapersOnLine</i> , 2016 , 49, 1555-1560	0.7	21
135	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
134	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
133	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
132	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
131	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
130	Decentralized Manufacturing Systems Review: Challenges and Outlook. <i>Lecture Notes in Production Engineering</i> , 2013 , 355-369	0	19
129	Manufacturing Networks Design through Smart Decision Making towards Frugal Innovation. <i>Procedia CIRP</i> , 2016 , 50, 354-359	1.8	19
128	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
127	Customer feedback gathering and management tools for product-service system design. <i>Procedia CIRP</i> , 2018 , 67, 577-582	1.8	18
126	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
125	Oscillator analogy for modelling the manufacturing systems dynamics. <i>International Journal of Production Research</i> , 2008 , 46, 2547-2563	7.8	18
124	A simulation-based hybrid backwards scheduling framework for manufacturing systems. <i>International Journal of Computer Integrated Manufacturing</i> , 2006 , 19, 762-774	4.3	18
123	A Virtual Reality Application to Attract Young Talents to Manufacturing. <i>Procedia CIRP</i> , 2016 , 57, 134-139	3.8	18

122	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
121	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
120	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
119	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
118	An agent-based methodology for manufacturing decision making: a textile case study. <i>International Journal of Computer Integrated Manufacturing</i> , 2012 , 25, 509-526	4.3	17
117	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
116	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
115	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
114	A method for comparing flexibility performance for the lifecycle of manufacturing systems under capacity planning constraints. <i>International Journal of Production Research</i> , 2011 , 49, 3307-3317	7.8	16
113	Flexibility evaluation: A toolbox approach. <i>International Journal of Computer Integrated Manufacturing</i> , 2009 , 22, 428-442	4.3	16
112	An Approach for Adaptability Modeling in Manufacturing Analysis Using Chaotic Dynamics. <i>CIRP Annals - Manufacturing Technology</i> , 2007 , 56, 491-494	4.9	16
111	Technology-based Product-services for Supporting Frugal Innovation. <i>Procedia CIRP</i> , 2016 , 47, 126-131	1.8	16
110	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
109	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
108	A knowledge-based social networking app for collaborative problem-solving in manufacturing. <i>Manufacturing Letters</i> , 2016 , 10, 1-5	4.5	15
107	Integrated and adaptive AR maintenance and shop-floor rescheduling. <i>Computers in Industry</i> , 2021 , 125, 103383	11.6	15
106	Warehouse Design and Operation using Augmented Reality technology: A Papermaking Industry Case Study. <i>Procedia CIRP</i> , 2019 , 79, 574-579	1.8	14
105	Cloud-Based Adaptive Shop-Floor Scheduling Considering Machine Tool Availability 2015 ,		14

104	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
103	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
102	PSS Design Considering Feedback from the Entire Product-service Lifecycle and Social Media. <i>Procedia CIRP</i> , 2016 , 47, 156-161	1.8	13
101	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
100	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
99	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
98	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
97	Dispatching policy for manufacturing jobs and time-delay plots. <i>International Journal of Computer Integrated Manufacturing</i> , 2007 , 20, 329-337	4-3	12
96	Machine Tool 4.0 in the Era of Digital Manufacturing 2020 ,		12
95	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
94	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
93	A Framework of Energy Services: From Traditional Contracts to Product-Service System (PSS). <i>Procedia CIRP</i> , 2018 , 69, 746-751	1.8	12
92	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
91	On an Integrated Knowledge based Framework for Manufacturing Systems Early Design Phase. <i>Procedia CIRP</i> , 2013 , 9, 121-126	1.8	11
90	An Inference-based Knowledge Reuse Framework for Historical Product and Production Information Retrieval. <i>Procedia CIRP</i> , 2016 , 41, 472-477	1.8	11
89	Lean Rules Identification and Classification for Manufacturing Industry. <i>Procedia CIRP</i> , 2016 , 50, 198-203	1.8	11
88	Robust Engineering for the Design of Resilient Manufacturing Systems. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 3067	2.6	11
87	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

86	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
85	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
84	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
83	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
82	A manufacturing innovation overview: concepts, models and metrics. <i>International Journal of Computer Integrated Manufacturing</i> , 2020 , 33, 769-791	4.3	9
81	Knowledge Management in a Virtual Lab Collaborative Training Project: A Mini-Formula Student Car Design 2008 , 435-446		9
80	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
79	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
78	Modelling of Customer Oriented Applications in Product Lifecycle using RAMI 4.0. <i>Procedia Manufacturing</i> , 2019 , 28, 31-36	1.5	8
77	Frugal innovation and its application in manufacturing networks. <i>Manufacturing Letters</i> , 2019 , 20, 27-29	4.5	8
76	Knowledge Enriched Short-term Scheduling for Engineer-to-order Products. <i>Procedia CIRP</i> , 2014 , 19, 160-167	1.8	8
75	Digital twins in industry 4.0 2022 , 277-316		8
74	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
73	A mobile application for knowledge-enriched short-term scheduling of complex products. <i>Logistics Research</i> , 2016 , 9, 1		8
72	Supporting Context Sensitive Lean Product Service Engineering. <i>Procedia CIRP</i> , 2016 , 47, 138-143	1.8	8
71	Collaborative Machine Tool design: the Teaching Factory paradigm. <i>Procedia Manufacturing</i> , 2018 , 23, 123-128	1.5	8
70	Mobile Feedback Gathering App for Frugal Product Design. <i>Procedia CIRP</i> , 2017 , 60, 151-156	1.8	7
69	Mapping Vulnerabilities in the Industrial Internet of Things Landscape. <i>Procedia CIRP</i> , 2019 , 84, 265-270	1.8	7

68	Optimization of highly automated production line: An advanced engineering educational approach. <i>Procedia Manufacturing</i> , 2019 , 31, 45-51	1.5	7
67	Volume and product flexibility: a case study for a refrigerators producing facility		7
66	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
65	Collaborative manufacturing design: a mixed reality and cloud-based framework for part design. <i>Procedia CIRP</i> , 2021 , 100, 97-102	1.8	7
64	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
63	Manufacturing System Design using Simulation in Metal Industry towards Education 4.0. <i>Procedia Manufacturing</i> , 2019 , 31, 155-161	1.5	6
62	Augmented reality visualization of production scheduling and monitoring. <i>Procedia CIRP</i> , 2020 , 88, 151-158		6
61	The mass personalization of global networks 2022 , 79-116		6
60	A Digital Twin architecture for monitoring and optimization of Fused Deposition Modeling processes. <i>Procedia CIRP</i> , 2021 , 103, 97-102	1.8	6
59	Intelligent Scheduling for Manufacturing Systems: A Case Study. <i>Lecture Notes in Mechanical Engineering</i> , 2013 , 1153-1164	0.4	6
58	Knowledge Management in Manufacturing Process Modeling: Case Studies in Selected Manufacturing Processes 2008 , 507-520		6
57	Knowledge Management Paradigms in Selected Manufacturing Case Studies 2008 , 521-532		6
56	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
55	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
54	An IoT-based Platform for Automated Customized Shopping in Distributed Environments. <i>Procedia CIRP</i> , 2018 , 72, 892-897	1.8	6
53	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
52	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	2.2	5
51	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

50	Closed-Loop Robotic Arm Manipulation Based on Mixed Reality. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 2972	2.6	5
49	Metrics definition for the product-service system complexity within mass customization and industry 4.0 environment 2017 ,		4
48	Infrared (IR) quality assessment of robotized resistance spot welding based on machine learning. <i>International Journal of Advanced Manufacturing Technology</i> ,1	3.2	4
47	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
46	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
45	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
44	An intelligent model for workforce allocation taking into consideration the operator skills. <i>Procedia CIRP</i> , 2021 , 97, 196-201	1.8	4
43	Automotive weather strip manufacturing: Process modeling and extrudate dimensional accuracy evaluation. <i>Procedia CIRP</i> , 2018 , 72, 375-380	1.8	4
42	Enabling Knowledge Transfer through Analytics in Industrial Social Networks. <i>Procedia CIRP</i> , 2019 , 81, 1242-1247	1.8	3
41	Knowledge Management in the Virtual Enterprise: Web Based Systems for Electronic Manufacturing 2008 , 107-126		3
40	Recycling and retrofitting for industrial equipment based on augmented reality. <i>Procedia CIRP</i> , 2020 , 90, 606-610	1.8	3
39	An augmented reality application for robotic cell customization. <i>Procedia CIRP</i> , 2020 , 90, 654-659	1.8	3
38	A Framework for Adaptive Scheduling in Cellular Manufacturing Systems. <i>Procedia CIRP</i> , 2020 , 93, 989-994		3
37	Design and manufacturing of a smart mobility platform context awareness and path planning module: A PSS approach. <i>Procedia Manufacturing</i> , 2020 , 51, 61-66	1.5	3
36	An Industrial Product-Service System approach for Laser Process Quality Control. <i>Procedia CIRP</i> , 2018 , 75, 403-408	1.8	3
35	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
34	Complexity in Industry 4.0 Systems and Networks. <i>Complexity</i> , 2019 , 2019, 1-2	1.6	2
33	Engineering environment to support product-service design using value chain data 2017 ,		2

32	Skills Requirements for the 4th Industrial Revolution: The Additive Manufacturing case. <i>MATEC Web of Conferences</i> , 2020 , 318, 01021	0.3	2
31	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
30	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
29	Adaptive Scheduling in the Era of Cloud Manufacturing. <i>Profiles in Operations Research</i> , 2020 , 61-85	1	2
28	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
27	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
26	Design of Multi-Stage Manufacturing Networks for Personalized Products Using Metaheuristics. <i>Lecture Notes in Mechanical Engineering</i> , 2013 , 1263-1276	0.4	2
25	Development of a Teaching Factory Framework Fusing a Virtual Simulated Machine Shop With The Physical Counterpart For Upscaling Human Machine Interface. <i>SSRN Electronic Journal</i> ,	1	2
24	Digital transformation of structural steel manufacturing enabled by IoT-based monitoring and knowledge reuse 2018 ,		2
23	A Computer Aided Method for Cam Profile Design 2009 , 369-376		2
22	Manufacturing personnel task allocation taking into consideration skills and remote guidance based on augmented reality and intelligent decision making. <i>International Journal of Computer Integrated Manufacturing</i> ,1-16	4.3	2
21	Digital Manufacturing 2022 , 27-45		2
20	Two-Layer Genetic Algorithm for the Charge Scheduling of Electric Vehicles 2020 ,		1
19	A Knowledge-Enriched Problem Solving Methodology for the Design Phase of Manufacturing Equipment. <i>Procedia CIRP</i> , 2015 , 36, 95-100	1.8	1
18	e-collaboration for ship repair supply chain management		1
17	A combinatorial approach to order release and shop scheduling in discrete manufacturing environments		1
16	Introduction to cloud technology and Industry 4.0 2022 , 1-12		1
15	Production management guided by industrial internet of things and adaptive scheduling in smart factories 2022 , 117-152		1

14	Quality Monitoring of Manufacturing Processes based on Full Data Utilization. <i>Procedia CIRP</i> , 2021 , 104, 1656-1661	1.8	1
13	A Collaborative Approach on Energy-based Offered Services: Energy 4.0 Ecosystems. <i>Procedia CIRP</i> , 2021 , 104, 1638-1643	1.8	1
12	Development and Implementation of a Digital Manufacturing Demonstrator for Engineering Education. <i>Procedia CIRP</i> , 2021 , 104, 1674-1679	1.8	1
11	The Evolution of Manufacturing Systems 2020 , 446-477		1
10	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
9	An approach to planning of textile manufacturing operations: a scheduling method 1996 , 131-145		1
8	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
7	An AR based Digital Twin for Laser based manufacturing process monitoring. <i>Procedia CIRP</i> , 2021 , 102, 258-263	1.8	1
6	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
5	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
4	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
3	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
2	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	
1	Integration of Mixed Reality to CFD in Industry 4.0: A Manufacturing Design Paradigm. <i>Procedia CIRP</i> , 2022 , 107, 1144-1149	1.8	