

Industry 4.0 technologies: Implementation patterns in m

International Journal of Production Economics

210, 15-26

DOI: [10.1016/j.ijpe.2019.01.004](https://doi.org/10.1016/j.ijpe.2019.01.004)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Big Data Analytics Capabilities and Eco-Innovation: A Study of Energy Companies. Sustainability, 2019, 11, 4254.	3.2	27
2	Where the Rubber Meets the Road. Industry 4.0 Among SMEs in the Automotive Sector. IEEE Engineering Management Review, 2019, 47, 86-93.	1.3	20
3	Social Factors as a Basic Driver of the Digitalization of the Business Models of Railway Companies. Sustainability, 2019, 11, 3367.	3.2	7
4	The strategic role of logistics in the industry 4.0 era. Transportation Research, Part E: Logistics and Transportation Review, 2019, 129, 1-11.	7.4	288
5	The Emergence and Rise of Industry 4.0 Viewed through the Lens of Management Fashion Theory. Administrative Sciences, 2019, 9, 71.	2.9	61
6	Examining The Concept of Industry 4.0 Studies Using Text Mining and Scientific Mapping Method. Procedia Computer Science, 2019, 158, 498-507.	2.0	15
7	I Prefer My Own Ways to Acquire My English Speaking Skills: A Grounded Research. International Journal of Higher Education, 2019, 9, 32.	0.5	2
8	Decision Support System for Dimensional Inspection of Extruded Rubber Profiles. IEEE Access, 2019, 7, 112605-112616.	4.2	8
9	Evaluation of in-mold sensors and machine data towards enhancing product quality and process monitoring via Industry 4.0. International Journal of Advanced Manufacturing Technology, 2019, 105, 1371-1389.	3.0	39
10	Barriers for the digitalization of servitization. Procedia CIRP, 2019, 83, 254-259.	1.9	36
11	The contribution of Smart Glasses for PSS. Procedia CIRP, 2019, 83, 318-323.	1.9	14
12	Industry 4.0 Programs Worldwide. Lecture Notes in Mechanical Engineering, 2019, , 78-99.	0.4	13
13	Drivers and Barriers in Using Industry 4.0: A Perspective of SMEs in Romania. Processes, 2019, 7, 153.	2.8	124
14	Connecting circular economy and industry 4.0. International Journal of Information Management, 2019, 49, 98-113.	17.5	358
15	Additive manufacturing as an enabling technology for digital construction: A perspective on Construction 4.0. Automation in Construction, 2019, 103, 251-267.	9.8	212
16	The interplay between smart manufacturing technologies and work organization. International Journal of Operations and Production Management, 2019, 39, 913-934.	5.9	70
17	Internet of things adoption: a typology of projects. International Journal of Operations and Production Management, 2019, 40, 849-872.	5.9	23
18	Servitization and digitalization in manufacturing: the influence on firm performance. Journal of Business and Industrial Marketing, 2019, 35, 564-574.	3.0	124

#	ARTICLE	IF	CITATIONS
19	Drones in manufacturing: exploring opportunities for research and practice. Journal of Manufacturing Technology Management, 2019, 31, 1237-1259.	6.4	58
20	Digital supply chain model in Industry 4.0. Journal of Manufacturing Technology Management, 2019, 31, 887-933.	6.4	151
21	Remote acoustic analysis for tool condition monitoring. Procedia Manufacturing, 2019, 38, 840-847.	1.9	9
22	Additive Manufacturing Applications in Industry 4.0: A Review. Journal of Industrial Integration and Management, 2019, 04, 1930001.	4.8	237
23	Laboratory of Intelligent Operational Decisions: A Proposal for Learning Digital and Smart Manufacturing Concepts. , 2019, , .		2
24	IoT-based Predictive Maintenance for Smart Manufacturing Systems. , 2019, , .		9
25	Readiness of Enterprises in Czech Republic to Implement Industry 4.0: Index of Industry 4.0. Applied Sciences (Switzerland), 2019, 9, 5405.	2.5	44
26	Investigating the Relationship between Industry 4.0 and Productivity: A Conceptual Framework for Malaysian Manufacturing Firms. Procedia Computer Science, 2019, 161, 696-706.	2.0	29
27	A Qualitative Study of Industry 4.0 Use Cases and their Implementation in Electronics Manufacturing. , 2019, , .		1
28	Determination of Changes in Process Management within Industry 4.0. Procedia Manufacturing, 2019, 38, 1691-1696.	1.9	18
29	An IIoT-based architecture for decision support in the aeronautic industry. MATEC Web of Conferences, 2019, 304, 04004.	0.2	0
30	A comparison on Industry 4.0 and Lean Production between manufacturers from emerging and developed economies. Total Quality Management and Business Excellence, 2021, 32, 1249-1270.	3.8	43
31	Industry 4.0 to Accelerate the Circular Economy: A Case Study of Electric Scooter Sharing. Sustainability, 2019, 11, 6661.	3.2	71
32	Servitization and Industry 4.0 convergence in the digital transformation of product firms: A business model innovation perspective. Technological Forecasting and Social Change, 2019, 141, 341-351.	11.6	554
33	Organizational learning paths based upon industry 4.0 adoption: An empirical study with Brazilian manufacturers. International Journal of Production Economics, 2020, 219, 284-294.	8.9	228
34	A smart manufacturing adoption framework for SMEs. International Journal of Production Research, 2020, 58, 1555-1573.	7.5	106
35	Smart Maintenance: a research agenda for industrial maintenance management. International Journal of Production Economics, 2020, 224, 107547.	8.9	65
37	Barriers to the adoption of industry 4.0 technologies in the manufacturing sector: An inter-country comparative perspective. International Journal of Production Economics, 2020, 224, 107546.	8.9	452

#	ARTICLE	IF	CITATIONS
38	Behind the definition of Industry 4.0: Analysis and open questions. International Journal of Production Economics, 2020, 226, 107617.	8.9	337
39	Big data analytics and artificial intelligence pathway to operational performance under the effects of entrepreneurial orientation and environmental dynamism: A study of manufacturing organisations. International Journal of Production Economics, 2020, 226, 107599.	8.9	285
40	Big data analytics as an operational excellence approach to enhance sustainable supply chain performance. Resources, Conservation and Recycling, 2020, 153, 104559.	10.8	286
41	Shop-floor scheduling as a competitive advantage: A study on the relevance of cyber-physical systems in different manufacturing contexts. International Journal of Production Economics, 2020, 224, 107555.	8.9	20
42	Critical factors for the successful implementation of Industry 4.0: a review and future research direction. Production Planning and Control, 2020, 31, 799-815.	8.8	194
43	Industry 4.0 strategies and technological developments. An exploratory research from Italian manufacturing companies. Production Planning and Control, 2020, 31, 1385-1398.	8.8	130
44	Implementation of Industry 4.0 concept in companies: empirical evidences. International Journal of Computer Integrated Manufacturing, 2020, 33, 325-342.	4.6	89
45	Sustainable supplier selection for smart supply chain considering internal and external uncertainty: An integrated rough-fuzzy approach. Applied Soft Computing Journal, 2020, 87, 106004.	7.2	162
46	Automation technologies: Long-term effects for Spanish industrial firms. Technological Forecasting and Social Change, 2020, 151, 119828.	11.6	30
47	Societal Impact of IoT-Lead Smart Factory in the Context of Industry 4.0. , 2020, , .		3
48	Smart production planning and control in the Industry 4.0 context: A systematic literature review. Computers and Industrial Engineering, 2020, 149, 106774.	6.3	136
49	The smart circular economy: A digital-enabled circular strategies framework for manufacturing companies. Journal of Business Research, 2020, 120, 241-261.	10.2	321
50	Application of industry 4.0 technologies in SMEs for ethical and sustainable operations: Analysis of challenges. Journal of Cleaner Production, 2020, 275, 124063.	9.3	226
51	An empirical evaluation of industry 4.0 applications of companies in Turkey: The case of a developing country. Technology in Society, 2020, 63, 101364.	9.4	42
52	Industry 4.0 Model for circular economy and cleaner production. Journal of Cleaner Production, 2020, 277, 123853.	9.3	75
53	Industry's 4.0 transformation process: how to start, where to aim, what to be aware of. Production Planning and Control, 2022, 33, 492-512.	8.8	52
54	The contribution of IT-leveraging capability for collaborative product development with suppliers. Journal of Strategic Information Systems, 2020, 29, 101633.	5.9	13
55	Digitization of manufacturing: the role of external search. International Journal of Operations and Production Management, 2020, 40, 1129-1152.	5.9	40

#	ARTICLE	IF	CITATIONS
56	Road to digital manufacturing – a longitudinal case-based analysis. Journal of Manufacturing Technology Management, 2020, 32, 820-839.	6.4	30
57	The impact of Industry 4.0 implementation on supply chains. Journal of Manufacturing Technology Management, 2020, 31, 669-686.	6.4	242
58	Logistics innovation capability and its impacts on the supply chain risks in the Industry 4.0 era. Modern Supply Chain Research and Applications, 2020, 2, 83-98.	2.8	60
59	Digital transformation challenges: strategies emerging from a multi-stakeholder approach. TQM Journal, 2020, 32, 697-724.	3.3	142
60	Relationships between industry 4.0, sustainable manufacturing and circular economy: proposal of a research framework. International Journal of Organizational Analysis, 2022, 30, 864-898.	2.9	203
61	Digital transforming capability and performance: a microfoundational perspective. International Journal of Operations and Production Management, 2020, 40, 1095-1128.	5.9	127
62	How do industry 4.0 technologies influence organisational change? An empirical analysis of Italian SMEs. Journal of Manufacturing Technology Management, 2020, 32, 695-721.	6.4	114
63	Pros and cons of implementing Industry 4.0 for the organizations: a review and synthesis of evidence. Production and Manufacturing Research, 2020, 8, 244-272.	1.5	67
64	Industry 4.0 collaborative networks for industrial performance. Journal of Manufacturing Technology Management, 2020, 32, 245-265.	6.4	42
65	Industry 4.0 Disruption and Its Neologisms in Major Industrial Sectors: A State of the Art. Journal of Engineering (United States), 2020, 2020, 1-45.	1.0	47
66	Sustainability challenges and how Industry 4.0 technologies can address them: a case study of a shipbuilding supply chain. Production Planning and Control, 2022, 33, 995-1010.	8.8	54
67	Why Context Matters: Explaining the Digital Transformation of the Manufacturing Industry and the Role of the Industry's Characteristics in It. Pacific Asia Journal of the Association for Information Systems, 2020, 12, 57-81.	0.7	11
68	Exploring the Determinants of Industry 4.0 Development Using an Extended SWOT Analysis: A Regional Study. Energies, 2020, 13, 5972.	3.1	10
69	Industry 4.0 Implementation in B2B Companies: Cross-Country Empirical Evidence on Digital Transformation in the CEE Region. Sustainability, 2020, 12, 9538.	3.2	31
70	Industry 4.0 adoption key factors: an empirical study on manufacturing industry. Journal of Advances in Management Research, 2020, 17, 697-725.	3.0	30
71	Internet of Things and Big Data as enablers for business digitalization strategies. Technovation, 2020, 98, 102173.	7.8	223
72	Towards the proposition of a Lean Automation framework. Journal of Manufacturing Technology Management, 2020, 32, 593-620.	6.4	47
73	Industry 4.0, quality management and TQM world. A systematic literature review and a proposed agenda for further research. TQM Journal, 2020, 32, 603-616.	3.3	117

#	ARTICLE	IF	CITATIONS
74	Sustainable Population Growth in Low-Density Areas in a New Technological Era: Prospective Thinking on How to Support Planning Policies Using Complex Spatial Models. Land, 2020, 9, 221.	2.9	12
75	Method to assess the adherence of internal logistics equipment to the concept of CPS for industry 4.0. International Journal of Production Economics, 2020, 228, 107845.	8.9	26
76	Applications of virtual reality in maintenance during the industrial product lifecycle: A systematic review. Journal of Manufacturing Systems, 2020, 56, 525-538.	13.9	83
77	Exploring supply chain structural dynamics: New disruptive technologies and disruption risks. International Journal of Production Economics, 2020, 229, 107886.	8.9	74
78	Condition-based maintenance for major airport baggage systems. Journal of Manufacturing Technology Management, 2020, 32, 722-741.	6.4	2
79	Costs Management of Research and Development in the Factories of the Future Using Virtual Reality. , 2020, , .		0
80	Exploring robustness management for dynamic technology fusion. Nonlinear Dynamics, 2020, 102, 2969-3011.	5.2	4
81	An examination of the generative mechanisms of value in big data-enabled supply chain management research. International Journal of Production Research, 2021, 59, 7283-7310.	7.5	11
82	Group-specific business process improvements via a port community system: the case of Rotterdam. Production Planning and Control, 2022, 33, 371-385.	8.8	6
83	A topic-based patent analytics approach for exploring technological trends in smart manufacturing. Journal of Manufacturing Technology Management, 2020, 32, 110-135.	6.4	29
84	Industry 4.0: smart test bench for shipbuilding industry. International Journal on Interactive Design and Manufacturing, 2020, 14, 1525-1533.	2.2	10
85	The Examination of the Corporate Organisation and Implementation of Industry 4.0 in a High Value German Manufacturing Firm. , 2020, , .		0
86	Experiences from Building a Multi-Access Edge Computing Internet of Things Testbed. , 2020, , .		1
87	Does Industry 4.0 really matter for SME innovation?. Journal of Small Business Management, 2022, 60, 1001-1028.	4.8	32
88	Big Data Supported PSS Evaluation Decision in Service-Oriented Manufacturing. IEEE Access, 2020, 8, 154663-154670.	4.2	123
89	Implementing industry 4.0 real-time performance management systems: the case of Schneider Electric. Production Planning and Control, 2022, 33, 244-260.	8.8	40
90	Perspectives on the future of manufacturing within the Industry 4.0 era. Production Planning and Control, 2022, 33, 138-158.	8.8	69
91	Implementation of big data analytics and Manufacturing Execution Systems: an empirical analysis in German-speaking countries. Production Planning and Control, 2022, 33, 261-276.	8.8	14

#	ARTICLE	IF	CITATIONS
92	The dual drivetrain model of digital transformation: role of industrial big-data-based affordance. Management Decision, 2022, 60, 344-367.	3.9	18
93	Digital twin design for real-time monitoring “a case study of die cutting machine. International Journal of Production Research, 2021, 59, 6471-6485.	7.5	60
94	Examining the role of logistics 4.0 enabled dynamic capabilities on firm performance. International Journal of Logistics Management, 2020, 31, 607-628.	6.6	68
95	Integrating the Concept of Industry 4.0 by Teaching Methodology in Industrial Engineering Curriculum. Processes, 2020, 8, 1007.	2.8	18
96	Literature Search of Key Factors for the Development of Generic and Specific Maturity Models for Industry 4.0. Applied Sciences (Switzerland), 2020, 10, 5825.	2.5	23
97	New product development process in apparel industry using Industry 4.0 technologies. International Journal of Productivity and Performance Management, 2021, 70, 2352-2373.	3.7	29
98	Critical Success Factors of Industry 4.0 in Automotive Manufacturing Industry. IEEE Transactions on Engineering Management, 2022, 69, 2439-2453.	3.5	40
99	Machine learning and optimization for production rescheduling in Industry 4.0. International Journal of Advanced Manufacturing Technology, 2020, 110, 2445-2463.	3.0	61
100	Examining the role of procurement 4.0 towards remanufacturing operations and circular economy. Production Planning and Control, 2021, 32, 1368-1383.	8.8	36
101	Big data analytics in turbulent contexts: towards organizational change for enhanced agility. Production Planning and Control, 2022, 33, 105-122.	8.8	47
102	Advances in Sensor Technologies in the Era of Smart Factory and Industry 4.0. Sensors, 2020, 20, 6783.	3.8	130
103	The Microcellular Structure of Injection Molded Thick-Walled Parts as Observed by In-Line Monitoring. Materials, 2020, 13, 5464.	2.9	12
104	Blockchain Technology and Its Role in Enhancing Supply Chain Integration Capability and Reducing Carbon Emission: A Conceptual Framework. Sustainability, 2020, 12, 10550.	3.2	48
105	Cyber Physical Manufacturing Metrology. IOP Conference Series: Materials Science and Engineering, 2020, 968, 012001.	0.6	0
106	Lean Thinking and Industrial 4.0 Approach to Achieving Construction 4.0 for Industrialization and Technological Development. Buildings, 2020, 10, 221.	3.1	29
107	The development of integrated approaches to talent management in the organization. IOP Conference Series: Materials Science and Engineering, 2020, 940, 012103.	0.6	1
108	Prioritization of important factors towards the status of industry 4.0 implementation utilizing AHP and ANP techniques. Benchmarking, 2020, 28, 695-720.	4.6	26
109	Supporting Design Problem-exploring with Emergent Technologies. Procedia CIRP, 2020, 91, 373-381.	1.9	9

#	ARTICLE	IF	CITATIONS
110	The Fourth Industrial Revolution and the Sustainability Practices: A Comparative Automated Content Analysis Approach of Theory and Practice. Sustainability, 2020, 12, 8497.	3.2	20
111	Digital supplier selection reinforcing supply chain quality management systems to enhance firm's performance. TQM Journal, 2023, 35, 102-130.	3.3	42
112	Investigation of the Various Bindersâ€™ Effect on the Lime Binder Carbonate Hardening Process for its Use in Additive Technologies. Materials Science Forum, 2020, 1011, 123-129.	0.3	1
113	Industry 4.0 technologies assessment: A sustainability perspective. International Journal of Production Economics, 2020, 229, 107776.	8.9	556
114	The Advantages of Industry 4.0 Applications for Sustainability: Results from a Sample of Manufacturing Companies. Sustainability, 2020, 12, 3647.	3.2	104
115	Dynamics between blockchain adoption determinants and supply chain performance: An empirical investigation. International Journal of Production Economics, 2020, 229, 107791.	8.9	189
116	The sustainable manufacturing concept, evolution and opportunities within Industry 4.0: A literature review. Advances in Mechanical Engineering, 2020, 12, 168781402092523.	1.6	111
117	Design of cyber physical system architecture for industry 4.0 through lean six sigma: conceptual foundations and research issues. Production and Manufacturing Research, 2020, 8, 158-181.	1.5	29
118	Flexibility in the Brazilian Industry 4.0: Challenges and Opportunities. Global Journal of Flexible Systems Management, 2020, 21, 15-31.	6.3	46
119	Reconfigurable supply chain: the X-network. International Journal of Production Research, 2020, 58, 4138-4163.	7.5	261
120	Industry 4.0: Adoption challenges and benefits for SMEs. Computers in Industry, 2020, 121, 103261.	9.9	286
121	Understanding Future Leaders: How Are Personal Values of Generations Y and Z Tailored to Leadership in Industry 4.0?. Sustainability, 2020, 12, 4417.	3.2	28
122	Knowledge Management and Industry 4.0. Knowledge Management and Organizational Learning, 2020, , .	0.5	12
123	A Strategic Roadmap for the Manufacturing Industry to Implement Industry 4.0. Designs, 2020, 4, 11.	2.4	63
124	Industry 4.0 innovation ecosystems: An evolutionary perspective on value cocreation. International Journal of Production Economics, 2020, 228, 107735.	8.9	227
125	The evolution of manâ€“machine interaction: the role of human in Industry 4.0 paradigm. Production and Manufacturing Research, 2020, 8, 20-34.	1.5	91
126	Human well-being and system performance in the transition to industry 4.0. International Journal of Industrial Ergonomics, 2020, 76, 102936.	2.6	73
127	Looking at energy through the lens of Industry 4.0: A systematic literature review of concerns and challenges. Computers and Industrial Engineering, 2020, 143, 106426.	6.3	65

#	ARTICLE	IF	CITATIONS
128	Managing the digital supply chain: The role of smart technologies. Technovation, 2020, 96-97, 102121.	7.8	150
129	Sustainability Transition in Industry 4.0 and Smart Manufacturing with the Triple-Layered Business Model Canvas. Sustainability, 2020, 12, 2364.	3.2	87
130	Low-Cost Piezoelectric Sensors for Time Domain Load Monitoring of Metallic Structures During Operational and Maintenance Processes. Sensors, 2020, 20, 1471.	3.8	5
131	A literature review on operational decisions applied to collaborative supply chains. PLoS ONE, 2020, 15, e0230152.	2.5	13
132	Exponential Disruptive Technologies and the Required Skills of Industry 4.0. Journal of Engineering (United States), 2020, 2020, 1-17.	1.0	78
133	The Implementation of Industry 4.0 – A Systematic Literature Review of the Key Factors. Systems Research and Behavioral Science, 2020, 37, 557-578.	1.6	40
134	Lean Six Sigma and Industry 4.0 integration for Operational Excellence: evidence from Italian manufacturing companies. Production Planning and Control, 2021, 32, 1084-1101.	8.8	130
135	Smart Monitoring Based on Novelty Detection and Artificial Intelligence Applied to the Condition Assessment of Rotating Machinery in the Industry 4.0. , 0, , .		0
136	Taxonomy of Industry 4.0 research: Mapping scholarship and industry insights. Systems Research and Behavioral Science, 2020, 37, 535-556.	1.6	27
137	Speeding Up the Implementation of Industry 4.0 with Management Tools: Empirical Investigations in Manufacturing Organizations. Sensors, 2020, 20, 3469.	3.8	30
138	A road map for the implementation of integrated JIT-lean practices in Indian manufacturing industries using the best-worst method approach. Journal of Industrial and Production Engineering, 2020, 37, 275-291.	3.1	15
139	Impeding challenges on industry 4.0 in circular economy: Palm oil industry in Malaysia. Computers and Operations Research, 2020, 123, 105052.	4.0	78
140	Proposal of a General Framework of Smart Factory. , 2020, , .		2
141	Blockchain and smart contracts in supply chain management: A game theoretic model. International Journal of Production Economics, 2020, 228, 107855.	8.9	166
142	Investigation of a Short Carbon Fibre-Reinforced Polyamide and Comparison of Two Manufacturing Processes: Fused Deposition Modelling (FDM) and Polymer Injection Moulding (PIM). Materials, 2020, 13, 672.	2.9	54
143	Performance evaluation of SMEs towards Industry 4.0 using fuzzy group decision making methods. SN Applied Sciences, 2020, 2, 1.	2.9	13
144	Soft sensor validation for monitoring and resilient control of sequential subway indoor air quality through memory-gated recurrent neural networks-based autoencoders. Control Engineering Practice, 2020, 97, 104330.	5.5	43
145	Increasing flexibility and productivity in Industry 4.0 production networks with autonomous mobile robots and smart intralogistics. Annals of Operations Research, 2022, 308, 125-143.	4.1	187

#	ARTICLE	IF	CITATIONS
146	Attaining flexibility in seru production system by means of Shojinka: An optimization model and solution approaches. <i>Computers and Operations Research</i> , 2020, 119, 104917.	4.0	38
147	Current Perspectives on the Development of Industry 4.0 in the Pharmaceutical Sector. <i>Journal of Industrial Information Integration</i> , 2020, 18, 100131.	6.4	78
148	A human-in-the-loop manufacturing control architecture for the next generation of production systems. <i>Journal of Manufacturing Systems</i> , 2020, 54, 258-271.	13.9	141
149	The future of manufacturing: A Delphi-based scenario analysis on Industry 4.0. <i>Technological Forecasting and Social Change</i> , 2020, 157, 120092.	11.6	121
150	The impact of digital technologies on economic and environmental performance in the context of industry 4.0: A moderated mediation model. <i>International Journal of Production Economics</i> , 2020, 229, 107777.	8.9	361
151	Implementation of digital manufacturing technologies: Antecedents and consequences. <i>International Journal of Production Economics</i> , 2020, 229, 107748.	8.9	95
152	The influence of intelligent manufacturing on financial performance and innovation performance: the case of China. <i>Enterprise Information Systems</i> , 2020, 14, 812-832.	4.7	37
153	Performance of IDWPT/DWPT compared with OFDM under an Industrial Channel. <i>Procedia Computer Science</i> , 2020, 170, 396-402.	2.0	1
154	Is a digital transformation framework enough for manufacturing smart products? The case of Small and Medium Enterprises. <i>Procedia Manufacturing</i> , 2020, 42, 70-75.	1.9	21
155	Smart Products value creation in SMEs innovation ecosystems. <i>Technological Forecasting and Social Change</i> , 2020, 156, 120024.	11.6	69
156	Information and digital technologies of Industry 4.0 and Lean supply chain management: a systematic literature review. <i>International Journal of Production Research</i> , 2020, 58, 5034-5061.	7.5	185
157	Digitalization's impacts on productivity: a model-based approach and evaluation in Germany's building construction industry. <i>Production Planning and Control</i> , 2021, 32, 335-345.	8.8	37
158	A digital supply chain twin for managing the disruption risks and resilience in the era of Industry 4.0. <i>Production Planning and Control</i> , 2021, 32, 775-788.	8.8	545
159	From Industry 4.0 to Agriculture 4.0: Current Status, Enabling Technologies, and Research Challenges. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 4322-4334.	11.3	306
160	Industry 4.0 adoption and 10R advance manufacturing capabilities for sustainable development. <i>International Journal of Production Economics</i> , 2021, 231, 107844.	8.9	255
161	Skill transfer support model based on deep learning. <i>Journal of Intelligent Manufacturing</i> , 2021, 32, 1129-1146.	7.3	26
162	Digital technology utilisation decisions for facilitating the implementation of Industry 4.0 technologies. <i>Construction Innovation</i> , 2021, 21, 476-489.	2.7	21
163	Digital transformation of regional industries through asset modification. <i>Competitiveness Review</i> , 2021, 31, 130-144.	2.6	18

#	ARTICLE	IF	CITATIONS
164	Expected impact of industry 4.0 technologies on sustainable development: A study in the context of Brazil's plastic industry. <i>Sustainable Production and Consumption</i> , 2021, 25, 102-122.	11.0	117
165	A fuzzy rule-based industry 4.0 maturity model for operations and supply chain management. <i>International Journal of Production Economics</i> , 2021, 231, 107883.	8.9	139
166	The mark of industry 4.0: how managers respond to key revolutionary changes. <i>International Journal of Productivity and Performance Management</i> , 2021, 70, 1213-1231.	3.7	16
167	A collaborative data-driven analytics of material resource management in smart supply chain by using a hybrid Industry 3.5 strategy. <i>Resources, Conservation and Recycling</i> , 2021, 164, 105160.	10.8	25
168	One-to-one relationships between Industry 4.0 technologies and Lean Production techniques: a multiple case study. <i>International Journal of Production Research</i> , 2021, 59, 1386-1410.	7.5	111
169	Multistage implementation framework for smart supply chain management under industry 4.0. <i>Technological Forecasting and Social Change</i> , 2021, 162, 120354.	11.6	113
170	Mapping the implications and competencies for Industry 4.0 to hard and soft total quality management. <i>TQM Journal</i> , 2021, 33, 896-914.	3.3	29
171	Analysis of readiness factors for Industry 4.0 implementation in SMEs using COPRAS. <i>International Journal of Quality and Reliability Management</i> , 2021, 38, 1178-1192.	2.0	35
172	Computer Modeling System of the Industrial Diesel Fuel Catalytic Dewaxing Process. <i>Chemical Engineering and Technology</i> , 2021, 44, 31-37.	1.5	2
173	Prepared for work in Industry 4.0? Modelling the target activity system and five dimensions of worker readiness. <i>International Journal of Computer Integrated Manufacturing</i> , 2021, 34, 1-19.	4.6	30
174	Dynamic life cycle assessment (LCA) integrating life cycle inventory (LCI) and Enterprise resource planning (ERP) in an industry 4.0 environment. <i>Journal of Cleaner Production</i> , 2021, 286, 125314.	9.3	71
175	Industry 4.0 and the human factor "A systems framework and analysis methodology for successful development. <i>International Journal of Production Economics</i> , 2021, 233, 107992.	8.9	264
176	Environmental assets, industry 4.0 technologies and firm performance in Spain: A dynamic capabilities path to reward sustainability. <i>Journal of Cleaner Production</i> , 2021, 281, 125264.	9.3	47
177	Does digitalising the supply chain contribute to its resilience?. <i>International Journal of Physical Distribution and Logistics Management</i> , 2021, 51, 149-180.	7.4	116
178	Smart Supply Chains with vendor managed inventory, coordination, and environmental performance. <i>European Journal of Operational Research</i> , 2021, 292, 515-531.	5.7	50
179	Key resources for industry 4.0 adoption and its effect on sustainable production and circular economy: An empirical study. <i>Journal of Cleaner Production</i> , 2021, 281, 125233.	9.3	175
180	Innovation in the Agri-Food sector: Exploiting opportunities for Industry 4.0. <i>Creativity and Innovation Management</i> , 2021, 30, 198-210.	3.3	24
181	Cyber-physical systems architectures for industrial internet of things applications in Industry 4.0: A literature review. <i>Journal of Manufacturing Systems</i> , 2021, 58, 176-192.	13.9	212

#	ARTICLE	IF	CITATIONS
182	Barriers to industry 4.0 adoption and its performance implications: An empirical investigation of emerging economy. Journal of Cleaner Production, 2021, 285, 124809.	9.3	114
183	Barriers in sustainable industry 4.0: a case study of the footwear industry. International Journal of Sustainable Engineering, 2021, 14, 175-189.	3.5	18
184	Design Approach for Additive Manufacturing in Spare Part Supply Chains. IEEE Transactions on Industrial Informatics, 2021, 17, 757-765.	11.3	14
185	Exploring technology attitudes and personalâ€œcultural orientations as student readiness factors for digitalised work. Higher Education, Skills and Work-based Learning, 2021, 11, 649-671.	1.6	7
186	Industry 4.0 in the product development process: benefits, difficulties and its impact in marketing strategies and operations. Journal of Business and Industrial Marketing, 2021, 36, 522-534.	3.0	20
187	Identifying pathways to a high-performing lean automation implementation: An empirical study in the manufacturing industry. International Journal of Production Economics, 2021, 231, 107918.	8.9	30
188	Researchers' perspectives on Industry 4.0: multi-disciplinary analysis and opportunities for operations management. International Journal of Production Research, 2021, 59, 2055-2078.	7.5	248
189	Substantial capabilities of robotics in enhancing industry 4.0 implementation. Cognitive Robotics, 2021, 1, 58-75.	5.4	169
190	Role of Industry 4.0 in Maintaining Sustainable Production and Services. , 2021, , 1-27.		0
191	Application of big data in engineering industry. AIP Conference Proceedings, 2021, , .	0.4	0
192	Implementing Industry 4.0â€œThe Need for a Holistic Approach. Studies in Computational Intelligence, 2021, , 3-14.	0.9	1
193	Recent Developments Towards Industry 4.0 Oriented Predictive Maintenance in Induction Motors. Procedia Computer Science, 2021, 180, 943-949.	2.0	17
194	The Application of a Lightweight Domain-Adversarial Neural Network in Bearing Fault Diagnosis. Lecture Notes in Electrical Engineering, 2021, , 312-320.	0.4	0
195	Cybersecurity Challenges for Manufacturing Systems 4.0: Assessment of the Business Impact Level. IEEE Transactions on Engineering Management, 2023, 70, 3745-3765.	3.5	15
196	Revitalizing Alignment Theory for Digital Servitization Transition. , 2021, , 261-280.		1
197	Significance of Human Factors and Ergonomics (HFE): Mediating Its Role Between Industry 4.0 Implementation and Operational Excellence. IEEE Transactions on Engineering Management, 2023, 70, 3976-3989.	3.5	12
198	A Systemic Overview of Factors Affecting the Cognitive Performance of Industrial Manual Assembly Workers. Lecture Notes in Networks and Systems, 2021, , 371-381.	0.7	2
199	NDE 4.0: New Paradigm for the NDE Inspection Personnel. , 2021, , 1-31.		4

#	ARTICLE	IF	CITATIONS
200	Digital servitization and competence development: A case-study research. CIRP Journal of Manufacturing Science and Technology, 2021, 32, 447-460.	4.5	24
201	Industry 4.0: advanced digital solutions implemented on a close power loop test bench. Procedia Computer Science, 2021, 180, 93-101.	2.0	8
203	Key Enablers Assessment to Implement Industry 4.0 Technologies in the Future for the Turkish Manufacturing Sector. Advances in Business Strategy and Competitive Advantage Book Series, 2021, , 243-265.	0.3	1
204	Significance of Quality 4.0 towards comprehensive enhancement in manufacturing sector. Sensors International, 2021, 2, 100109.	8.4	42
205	Exploratory Analysis of the Impacts of Digital Transformation on Supply Chain Management Processes. Springer Proceedings in Mathematics and Statistics, 2021, , 463-474.	0.2	0
206	Optimization of decoupling point position using metaheuristic evolutionary algorithms for smart mass customization manufacturing. Neural Computing and Applications, 2021, 33, 1-31.	5.6	5
207	Deploying cobots in collaborative systems: major considerations and productivity analysis. International Journal of Production Research, 2022, 60, 1815-1831.	7.5	37
208	Advantages and difficulties of implementing Industry 4.0 technologies for labor flexibility. Procedia Computer Science, 2021, 181, 347-352.	2.0	20
209	Industry 4.0: Navigating Pathways Toward Smart Manufacturing and Services. , 2021, , 109-125.		0
210	A Hybrid Task Crash Recovery Solution for Edge Computing in IoT-Based Manufacturing. IEEE Access, 2021, 9, 106220-106231.	4.2	7
211	Artificial Intelligence for Supply Chain Success in the Era of Data Analytics. Studies in Computational Intelligence, 2021, , 3-21.	0.9	11
212	Analyzing Roadblocks of Industry 4.0 Adoption Using Graph Theory and Matrix Approach. IEEE Transactions on Engineering Management, 2023, 70, 454-463.	3.5	18
213	Development of a Methodology to Analyze Implementation Patterns of Industry 4.0 Technologies. Communications in Computer and Information Science, 2021, , 307-320.	0.5	2
214	Industry 4.0 and the circular economy: A literature review and recommendations for future research. Business Strategy and the Environment, 2021, 30, 2038-2060.	14.3	232
215	Characterization of Digital Supply Chain. Smart Innovation, Systems and Technologies, 2021, , 41-47.	0.6	0
217	Readiness Assessment of SMEs in Transitional Economies: Introduction of Industry 4.0. , 2021, , .		3
218	Research Opportunities in Industry 4.0: A Literature Review. Lecture Notes in Mechanical Engineering, 2021, , 223-236.	0.4	0
219	Applications of Blockchain Technology in the Construction Industry. Lecture Notes in Networks and Systems, 2021, , 275-282.	0.7	7

#	ARTICLE	IF	CITATIONS
220	Espousal of Industry 4.0 in Indian Manufacturing Organizations. , 2021, , 1244-1251.		3
221	Multi-objective optimization and rapid prototyping for jewelry industry: methodologies and case studies. International Journal of Advanced Manufacturing Technology, 2021, 112, 2943-2959.	3.0	23
222	Industrial Revolution and Employee Motivation Evolution. Lecture Notes in Networks and Systems, 2021, , 624-631.	0.7	1
223	Industry 4.0 Technologies for Improving Functional Machinery Safety Management from the Interoperability Point of View in the Automotive Industry. Springer Proceedings in Mathematics and Statistics, 2021, , 475-487.	0.2	0
224	Network Slicing for TSN-Based Transport Networks. IEEE Access, 2021, 9, 62788-62809.	4.2	15
225	Industry 4.0 tools in innovative European firms: exploring their adoption and communication features through content analysis. Procedia Computer Science, 2021, 180, 414-423.	2.0	1
226	Artificial intelligence-based hybrid forecasting models for manufacturing systems. Eksploatacja I Niezawodnosc, 2021, 23, 263-277.	2.0	3
227	Industry 4.0: A Technological-Oriented Definition Based on Bibliometric Analysis and Literature Review. Journal of Open Innovation: Technology, Market, and Complexity, 2021, 7, 68.	5.2	26
228	Secuenciación de operaciones por simulación en la empresa Puntadas, S.G.. Tecnología En Marcha, 0, , .	0.1	0
229	Lean Manufacturing and Ergonomics Integration: Defining Productivity and Wellbeing Indicators in a Human-Robot Workstation. Sustainability, 2021, 13, 1931.	3.2	43
230	An approach and decision support tool for forming Industry 4.0 supply chain collaborations. Computers in Industry, 2021, 125, 103391.	9.9	36
231	Physical Ergonomic Improvement and Safe Design of an Assembly Workstation through Collaborative Robotics. Safety, 2021, 7, 14.	1.7	20
232	Evaluating Industry 4.0 Technology Application in SMEs: Using a Hybrid MCDM Approach. Mathematics, 2021, 9, 414.	2.2	21
233	Adopting service suppliers for servitisation: which type of supplier involvement is more effective?. Journal of Manufacturing Technology Management, 2021, 32, 977-993.	6.4	13
234	Predictive Maintenance and Intelligent Sensors in Smart Factory: Review. Sensors, 2021, 21, 1470.	3.8	148
235	Laser Transmission Welding of Semi-Crystalline Polymers and Their Composites: A Critical Review. Polymers, 2021, 13, 675.	4.5	24
236	Implementation of supply chain 4.0 in the food and beverage industry: perceived drivers and barriers. International Journal of Productivity and Performance Management, 2022, 71, 1426-1443.	3.7	41
237	Human resource practices accompanying industry 4.0 in European manufacturing industry. Journal of Manufacturing Technology Management, 2021, 32, 1016-1036.	6.4	30

#	ARTICLE	IF	CITATIONS
238	Supply chain resilience and its interplay with digital technologies: making innovations work in emergency situations. International Journal of Physical Distribution and Logistics Management, 2021, 51, 97-103.	7.4	40
239	The value of firm linkages in the age of industry 4.0: a qualitative comparative analysis. Annals of Regional Science, 2021, 67, 245-272.	2.1	5
240	Industry 4.0 technology provision: the moderating role of supply chain partners to support technology providers. Supply Chain Management, 2022, 27, 89-112.	6.4	47
241	Applying Industry 4.0 technologies in the COVID-19 sustainable chains. International Journal of Productivity and Performance Management, 2021, 70, 988-1016.	3.7	81
242	Industry 4.0 technologies: critical success factors for implementation and improvements in manufacturing companies. Production Planning and Control, 2023, 34, 139-158.	8.8	85
243	Significant Applications of Big Data in Industry 4.0. Journal of Industrial Integration and Management, 2021, 06, 429-447.	4.8	46
244	Prospects and development of algal-bacterial biotechnology in environmental management and protection. Biotechnology Advances, 2021, 47, 107684.	11.7	83
245	Mobility-As-A-Service for Resilience Delivery in Power Distribution Systems. Production and Operations Management, 2021, 30, 2492-2521.	3.8	11
246	Industry 4.0 for sustainable manufacturing: Opportunities at the product, process, and system levels. Resources, Conservation and Recycling, 2021, 166, 105362.	10.8	113
247	Smart Anomaly Detection and Prediction for Assembly Process Maintenance in Compliance with Industry 4.0. Sensors, 2021, 21, 2376.	3.8	21
248	Towards in silico Process Modeling for Vaccines. Trends in Biotechnology, 2021, 39, 1120-1130.	9.3	17
249	Diagnosis of the Maturity Level of Implementing Industry 4.0 Solutions in Selected Functional Areas of Management of Automotive Companies in Poland. Sustainability, 2021, 13, 4867.	3.2	8
250	Digital transformation success under Industry 4.0: a strategic guideline for manufacturing SMEs. Journal of Manufacturing Technology Management, 2021, 32, 1533-1556.	6.4	113
251	Industry 4.0 enabling technologies as a tool for the development of a competitive strategy in Italian manufacturing companies. Journal of Engineering and Technology Management - JET-M, 2021, 60, 101629.	2.7	22
252	Leveraging Optimized and Cleaner Production through Industry 4.0. Sustainable Production and Consumption, 2021, 26, 859-871.	11.0	71
253	Worker assistance systems in manufacturing: A review of the state of the art and future directions. Journal of Manufacturing Systems, 2021, 59, 228-250.	13.9	69
254	What does operational excellence mean in the Fourth Industrial Revolution era?. International Journal of Production Research, 2022, 60, 2901-2917.	7.5	30
255	Investigating major challenges for industry 4.0 adoption among construction companies. Engineering, Construction and Architectural Management, 2021, , .	3.1	32

#	ARTICLE	IF	CITATIONS
256	Evaluating security and privacy issues of social networks based information systems in Industry 4.0. Enterprise Information Systems, 2022, 16, 1694-1710.	4.7	31
257	Implementation of a Six-Layer Smart Factory Architecture with Special Focus on Transdisciplinary Engineering Education. Sensors, 2021, 21, 2944.	3.8	10
258	Effective Cloud Resource Utilisation in Cloud ERP Decision-Making Process for Industry 4.0 in the United States. Electronics (Switzerland), 2021, 10, 959.	3.1	17
259	A Systematic Review on Technologies for Data-Driven Production Logistics: Their Role from a Holistic and Value Creation Perspective. Logistics, 2021, 5, 24.	4.3	14
260	Global manufacturing value networks: assessing the critical roles of platform ecosystems and Industry 4.0. Journal of Manufacturing Technology Management, 2021, 32, 1290-1311.	6.4	14
261	Procurement 4.0 to the rescue: catalysing its adoption by modelling the challenges. Benchmarking, 2022, 29, 217-254.	4.6	17
262	From EDI to Blockchain: A Bibliometric Analysis of Digitalization in Supply Chains. Gaziantep University Journal of Social Sciences, 2021, 20, 657-677.	0.2	4
263	Empowering Human Resources Management in Technology to Improve Leadership Function in Business Practice: Systematic Review. Journal of Contemporary Issues in Business and Government, 2021, 27, .	0.1	0
264	Toward a multilevel perspective on digital servitization. International Journal of Operations and Production Management, 2021, 41, 668-693.	5.9	34
265	Digitalization of Shop Floor Management: In Blissful Ignorance of Superfluous Work. Journal of Industrial Integration and Management, 2021, 06, 333-352.	4.8	7
266	Analyzing interrelated enablers of industry 4.0 for implementation in present industrial scenario. Management Research Review, 2021, 44, 1241-1262.	2.7	18
267	Impact of COVID-19 outbreak on employee performance – Moderating role of industry 4.0 base technologies. International Journal of Production Economics, 2021, 234, 108075.	8.9	122
268	Six-Gear Roadmap towards the Smart Factory. Applied Sciences (Switzerland), 2021, 11, 3568.	2.5	21
269	Evaluation of enablers of cloud technology to boost industry 4.0 adoption in the manufacturing micro, small and medium enterprises. Journal of Modelling in Management, 2021, 16, 944-962.	1.9	13
270	Prototyping Human-Centered Products in the Age of Industry 4.0. Journal of Mechanical Design, Transactions of the ASME, 2021, 143, .	2.9	4
271	Energy and maintenance management systems in the context of industry 4.0. Implementation in a real case. Renewable and Sustainable Energy Reviews, 2021, 142, 110841.	16.4	17
272	HIGHER EDUCATION INSTITUTIONS IN THE CONDITIONS OF KNOWLEDGE ECONOMY AND INDUSTRY 4.0 - POTENTIAL AND PERSPECTIVES. Humanitarni Balkanski IzsledvaniĀ, 2021, 5, .	0.0	0
273	Industry 4.0 and opportunities for energy sustainability. Journal of Cleaner Production, 2021, 295, 126427.	9.3	97

#	ARTICLE	IF	CITATIONS
274	Analysing workforce development challenges in the Industry 4.0. International Journal of Manpower, 2022, 43, 310-333.	4.4	25
275	Bundles of Lean Automation practices and principles and their impact on operational performance. International Journal of Production Economics, 2021, 235, 108106.	8.9	17
276	Technologies and applications of Industry 4.0: insights from network analytics. International Journal of Production Research, 2022, 60, 3682-3704.	7.5	11
277	Design Principles for Additive Manufacturing: Leveraging Crowdsourced Design Repositories. Journal of Mechanical Design, Transactions of the ASME, 2021, 143, .	2.9	8
278	Modeling barriers of digital manufacturing in a circular economy for enhancing sustainability. International Journal of Productivity and Performance Management, 2022, 71, 833-869.	3.7	43
279	Environmental dynamism, industry 4.0 and performance: Mediating role of organizational and technological factors. Industrial Marketing Management, 2021, 95, 54-64.	6.7	48
280	Industry 4.0 model for integrated circular economy-reverse logistics network. International Journal of Logistics Research and Applications, 2022, 25, 837-877.	8.8	24
281	A study to determine the effects of industry 4.0 technology components on organizational performance. Technological Forecasting and Social Change, 2021, 167, 120615.	11.6	44
282	Wearable and interactive mixed reality solutions for fault diagnosis and assistance in manufacturing systems: Implementation and testing in an aseptic bottling line. Computers in Industry, 2021, 128, 103429.	9.9	22
283	Towards Supply Chain Visibility Using Internet of Things: A Dyadic Analysis Review. Sensors, 2021, 21, 4158.	3.8	38
284	The Impacts of the Fourth Industrial Revolution on Smart and Sustainable Cities. Sustainability, 2021, 13, 7165.	3.2	12
285	Opportunities and challenges of the industry 4.0 in industrial companies: a survey on Moroccan firms. Journal of Industrial and Business Economics, 2021, 48, 413-439.	1.5	13
286	Deep drill-down analysis for failures detection in the production line. , 2021, , .		1
287	Resilient companies in the time of Covid-19 pandemic: a case study approach. Journal of Entrepreneurship and Public Policy, 2021, 10, 336-351.	1.1	15
288	Industry 4.0 Maturity Model Assessing Environmental Attributes of Manufacturing Company. Applied Sciences (Switzerland), 2021, 11, 5151.	2.5	21
289	Robotics in Shared Service Centers in Emerging Economies. IOP Conference Series: Materials Science and Engineering, 2021, 1154, 012001.	0.6	2
290	Analyzing Barriers of Circular Food Supply Chains and Proposing Industry 4.0 Solutions. Sustainability, 2021, 13, 6812.	3.2	58
292	Towards generic platform to support collaboration in freight transportation: taxonomic literature and design based on Zachman framework. Enterprise Information Systems, 2023, 17, .	4.7	5

#	ARTICLE	IF	CITATIONS
293	Being lean: how to shape digital transformation in the manufacturing sector. Journal of Manufacturing Technology Management, 2021, 32, 239-259.	6.4	36
294	From technological development to social advance: A review of Industry 4.0 through machine learning. Technological Forecasting and Social Change, 2021, 167, 120653.	11.6	71
295	The Impact of Co-Inventor Networks on Smart Cleantech Innovation: The Case of Montreal Agglomeration. Sustainability, 2021, 13, 7270.	3.2	13
296	Additive manufacturing in the apparel supply chain – impact on supply chain governance and social sustainability. International Journal of Operations and Production Management, 2021, 41, 1035-1059.	5.9	37
297	Towards a Conceptual Development of Industry 4.0, Servitisation, and Circular Economy: A Systematic Literature Review. Sustainability, 2021, 13, 6501.	3.2	38
298	Reacting to the COVID-19 pandemic through digital connectivity with customers: the Italian experience. Italian Journal of Marketing, 2021, 2021, 305-330.	2.8	16
299	Development of managerial and Information Technology skills in Learning Factories in the context of Industry 4.0: a case study. GEPROS: Gestão Da Produção, Operação e Sistemas, 2021, 16, 195-227.	0.1	0
300	6G Opportunities Arising from Internet of Things Use Cases: A Review Paper. Future Internet, 2021, 13, 159.	3.8	33
301	The partial mediating role of supply chain integration between Industry 4.0 and supply chain performance. Supply Chain Management, 2022, 27, 538-559.	6.4	20
302	Financing manufacturers for investing in Industry 4.0 technologies: internal financing vs. External financing. International Journal of Production Research, 0, , 1-17.	7.5	13
303	Enhancing the Value of Patents as Corporate Assets in South Africa: How can Artificial Intelligence (AI) Assist?. Potchefstroom Electronic Law Journal, 0, 24, 1-38.	0.1	0
304	Industry 4.0-A Breakthrough in artificial Intelligence the Internet of Things and Big Data towards the next digital revolution for high business outcome and delivery. Journal of Physics: Conference Series, 2021, 1937, 012030.	0.4	4
305	The Role and Meaning of the Digital Transformation As a Disruptive Innovation on Small and Medium Manufacturing Enterprises. Frontiers in Psychology, 2021, 12, 592528.	2.1	30
306	Industry 4.0 and green supply chain practices: an empirical study. International Journal of Productivity and Performance Management, 2022, 71, 814-832.	3.7	48
307	Driving Sustainability through Engineering Management and Systems Engineering. Sustainability, 2021, 13, 6687.	3.2	7
308	Industry 4.0 Technologies for Manufacturing Sustainability: A Systematic Review and Future Research Directions. Applied Sciences (Switzerland), 2021, 11, 5725.	2.5	152
309	Sustainable industrial and operation engineering trends and challenges Toward Industry 4.0: a data driven analysis. Journal of Industrial and Production Engineering, 2021, 38, 581-598.	3.1	127
310	A bibliometric indicators analysis of additive manufacturing research trends from 2010 to 2020. Rapid Prototyping Journal, 2021, 27, 1432-1454.	3.2	21

#	ARTICLE	IF	CITATIONS
311	Analysis of the innovative development of circumpolar countries in the context of the fourth industrial revolution. IOP Conference Series: Earth and Environmental Science, 2021, 816, 012002.	0.3	0
313	On sustainable predictive maintenance: Exploration of key barriers using an integrated approach. Sustainable Production and Consumption, 2021, 27, 1537-1553.	11.0	17
314	Improved Ensemble-Learning Algorithm for Predictive Maintenance in the Manufacturing Process. Applied Sciences (Switzerland), 2021, 11, 6832.	2.5	15
315	Configurational conditions and Sustained Competitive Advantage: A fsQCA approach. Long Range Planning, 2022, 55, 102131.	4.9	12
316	Public and Non-Public Network Integration for 5Growth Industry 4.0 Use Cases. IEEE Communications Magazine, 2021, 59, 108-114.	6.1	16
317	A look back and a leap forward: a review and synthesis of big data and artificial intelligence literature in hospitality and tourism. Journal of Hospitality Marketing and Management, 2022, 31, 145-175.	8.2	45
318	Openness to Industry 4.0 and performance: The impact of barriers and incentives. Technological Forecasting and Social Change, 2021, 168, 120756.	11.6	59
319	Analysis of enablers for the digitalization of supply chain using an interpretive structural modelling approach. International Journal of Productivity and Performance Management, 2023, 72, 410-439.	3.7	27
320	Sustainable manufacturing of ultra-fine aluminium alloy 6101 wires using controlled high levels of mechanical strain and finite element modeling. International Journal of Material Forming, 2021, 14, 1209-1219.	2.0	4
321	Smart supply chain and firm performance: the role of digital technologies. Business Process Management Journal, 2021, 27, 1353-1372.	4.2	50
322	IMPACT OF MANAGEMENT PRACTICES ON ORGANISATIONAL INNOVATION IN THE DIGITAL AGE: A STUDY OF THE MANUFACTURING INDUSTRY IN MALAYSIA. International Journal of Management Studies, 0, 28, .	0.5	5
323	Conceptualizing Industry 4.0 readiness model dimensions: an exploratory sequential mixed-method study. TQM Journal, 2023, 35, 577-596.	3.3	35
324	The interplay between digital transformation and governance mechanisms in supply chains: evidence from the Italian automotive industry. International Journal of Operations and Production Management, 2021, 41, 1119-1144.	5.9	25
325	High-Performance of a Thick-Walled Polyamide Composite Produced by Microcellular Injection Molding. Materials, 2021, 14, 4199.	2.9	4
326	The dark side of supply chain digitalisation: supplier-perceived digital capability asymmetry, buyer opportunism and governance. International Journal of Operations and Production Management, 2021, 41, 1220-1247.	5.9	36
327	Of leaders and laggards - Towards digitalization of the process industries. Technovation, 2021, 105, 102211.	7.8	27
328	The impact of digitalization and inter-organizational technological activities on supplier opportunism: the moderating role of relational ties. International Journal of Operations and Production Management, 2021, 41, 1085-1118.	5.9	51
329	The four smarts of Industry 4.0: Evolution of ten years of research and future perspectives. Technological Forecasting and Social Change, 2021, 168, 120784.	11.6	138

#	ARTICLE	IF	CITATIONS
330	Data Analytics in Industry 4.0: A Survey. Information Systems Frontiers, 2021, , 1-17.	6.4	27
331	Financial performance and supply chain dynamic capabilities: the Moderating Role of Industry 4.0 technologies. International Journal of Production Research, 0, , 1-18.	7.5	48
332	PDCA 4.0: A New Conceptual Approach for Continuous Improvement in the Industry 4.0 Paradigm. Applied Sciences (Switzerland), 2021, 11, 7671.	2.5	15
333	Artificial Intelligence for Smart Manufacturing: Methods and Applications. Sensors, 2021, 21, 5584.	3.8	8
334	Digital transformation of business model in manufacturing companies: challenges and research agenda. Journal of Business and Industrial Marketing, 2022, 37, 748-767.	3.0	43
336	Untangling service design routines for digital servitization: empirical insights of smart PSS in maritime industry. Journal of Manufacturing Technology Management, 2022, 33, 717-740.	6.4	18
337	Technology and leadership styles: a review of trends between 2003 and 2021. TQM Journal, 2023, 35, 210-233.	3.3	7
338	Analysis of challenges in sustainable human resource management due to disruptions by Industry 4.0: an emerging economy perspective. International Journal of Manpower, 2022, 43, 513-541.	4.4	35
339	Managing information asymmetry in publicâ€“private relationships undergoing a digital transformation: the role of contractual and relational governance. International Journal of Operations and Production Management, 2021, 41, 1145-1191.	5.9	62
340	Information and communication technologies in emergency care services for patients with COVID-19: a multi-national study. International Journal of Production Research, 2023, 61, 8384-8400.	7.5	8
341	Industry 4.0 implementation and Triple Bottom Line sustainability: An empirical study on small and medium manufacturing firms. Heliyon, 2021, 7, e07753.	3.2	54
342	Lean manufacturing and internet of things â€“ A synergetic or antagonist relationship?. Computers in Industry, 2021, 129, 103464.	9.9	35
343	Contributions of Industry 4.0 to supply chain resilience. International Journal of Logistics Management, 2022, 33, 547-566.	6.6	21
344	Industry 4.0 technologies usage: motives and enablers. Journal of Manufacturing Technology Management, 2021, 32, 323-345.	6.4	17
345	Adaptive anomaly detection system based on machine learning algorithms in an industrial control environment. International Journal of Critical Infrastructure Protection, 2021, 34, 100446.	4.6	9
346	An interpretable machine learning based approach for process to areal surface metrology informatics. Surface Topography: Metrology and Properties, 2021, 9, 044001.	1.6	2
348	PILLARS IN THE MAKING, INDUSTRY 4.0 ON THE HORIZON. International Journal of the Analytic Hierarchy Process, 2021, 13, .	0.5	0
349	Study on the Relations of Supply Chain Digitization, Flexibility and Sustainable Developmentâ€“A Moderated Multiple Mediation Model. Sustainability, 2021, 13, 10043.	3.2	10

#	ARTICLE	IF	CITATIONS
350	Developing human capital 4.0 in emerging economies: an industry 4.0 perspective. International Journal of Manpower, 2022, 43, 286-309.	4.4	23
351	The impact of Industry 4.0 on organizational performance: the case of Pakistan's retail industry. European Journal of Management Studies, 2021, 26, 63-86.	1.6	17
352	Greenhouse industry 4.0 – digital twin technology for commercial greenhouses. Energy Informatics, 2021, 4, .	2.3	18
353	The effects of business analytics capability on circular economy implementation, resource orchestration capability, and firm performance. International Journal of Production Economics, 2021, 239, 108205.	8.9	128
354	Sociotechnical factors and Industry 4.0: an integrative perspective for the adoption of smart manufacturing technologies. Journal of Manufacturing Technology Management, 2022, 33, 259-286.	6.4	50
355	Supply chain control towers: Technology push or market pull – An assessment tool. IET Collaborative Intelligent Manufacturing, 2021, 3, 290-302.	3.3	5
356	Industry 4.0 in Manufacturing: Benefits, Barriers and Organizational Factors that Influence its Adoption. International Journal of Innovation and Technology Management, 2021, 18, .	1.4	4
357	How does industrial convergence affect the energy efficiency of manufacturing in newly industrialized countries? Fresh evidence from China. Journal of Cleaner Production, 2021, 316, 128316.	9.3	78
358	Challenges for Agriculture through Industry 4.0. Agronomy, 2021, 11, 1935.	3.0	20
359	Digital Twin for FANUC Robots: Industrial Robot Programming and Simulation Using Virtual Reality. Sustainability, 2021, 13, 10336.	3.2	37
360	Green sourcing in the era of industry 4.0: towards green and digitalized competitive advantages. Industrial Management and Data Systems, 2021, 121, 1997-2025.	3.7	30
361	A Scalable and Flexible Open Source Big Data Architecture for Small and Medium-Sized Enterprises. Advances in Intelligent Systems and Computing, 2022, , 273-282.	0.6	2
362	The Impact of Technological Innovation on Industry 4.0 Implementation and Sustainability: An Empirical Study on Malaysian Small and Medium Sized Enterprises. Sustainability, 2021, 13, 10115.	3.2	18
363	Contributions of Healthcare 4.0 digital applications to the resilience of healthcare organizations during the COVID-19 outbreak. Technovation, 2022, 111, 102379.	7.8	30
364	Analysis of Industry 4.0 challenges using best worst method: A case study. Computers and Industrial Engineering, 2021, 159, 107487.	6.3	56
365	Circular economy-based new products and company performance: The role of stakeholders and Industry 4.0 technologies. Business Strategy and the Environment, 2022, 31, 483-499.	14.3	62
366	Analysis of barriers intensity for investment in big data analytics for sustainable manufacturing operations in post-COVID-19 pandemic era. Journal of Enterprise Information Management, 2022, 35, 179-213.	7.5	14
367	A Systematic Literature Review of Successful Implementation of Industry 4.0 Technologies in Companies: Synthesis of the IPSI Framework. Applied Sciences (Switzerland), 2021, 11, 8917.	2.5	2

#	ARTICLE	IF	CITATIONS
368	External knowledge search, opportunity recognition and industry 4.0 adoption in SMEs. International Journal of Production Economics, 2021, 240, 108234.	8.9	62
369	Unraveling the capabilities that enable digital transformation: A data-driven methodology and the case of artificial intelligence. Advanced Engineering Informatics, 2021, 50, 101368.	8.0	31
370	Integration of Industry 4.0 technologies into Total Productive Maintenance practices. International Journal of Production Economics, 2021, 240, 108224.	8.9	69
371	Development of the approach to the modeling of the destructive catalytic hydroprocesses of atmospheric and vacuum distillates conversion. The case of oil distillates hydrodewaxing process. Catalysis Today, 2021, 378, 219-230.	4.4	2
372	“Lean 4.0™: How can digital technologies support lean practices?. International Journal of Production Economics, 2021, 241, 108258.	8.9	48
373	Big data analytics as a roadmap towards green innovation, competitive advantage and environmental performance. Journal of Cleaner Production, 2021, 323, 128998.	9.3	73
374	Intelligent transformation of the manufacturing industry for Industry 4.0: Seizing financial benefits from supply chain relationship capital through enterprise green management. Technological Forecasting and Social Change, 2021, 172, 120999.	11.6	68
375	An empirical examination of benefits, challenges, and critical success factors of industry 4.0 in manufacturing and service sector. Technology in Society, 2021, 67, 101754.	9.4	60
376	Proposed managerial competencies for Industry 4.0 “ Implications for social sustainability. Technological Forecasting and Social Change, 2021, 173, 121080.	11.6	62
377	How industrial convergence affects regional green development efficiency: A spatial conditional process analysis. Journal of Environmental Management, 2021, 300, 113738.	7.8	78
378	Digitalisation, sustainable industrialisation and digital rebound “ Asking the right questions for a strategic research agenda. Energy Research and Social Science, 2021, 82, 102295.	6.4	36
379	Companies’™ adoption of Smart Technologies to achieve structural ambidexterity: an analysis with SEM. Technological Forecasting and Social Change, 2022, 174, 121187.	11.6	26
380	Instrumentation and Process Control. , 2022, , 336-355.		0
381	Industry 4.0 Technologies and Ethical Sustainability. Lecture Notes in Mechanical Engineering, 2021, , 189-199.	0.4	9
382	Active digital manufacturing: Conceptual foundations and practical solutions. , 2021, , 257-279.		1
383	Remanufacturing and refurbishment in the age of Industry 4.0: an integrated research agenda. , 2021, , 87-107.		3
384	Technology Used in Knowledge Management by Global Professional Event Services. Journal of Global Information Management, 2021, 29, 145-163.	2.8	15
386	Towards Servitization: A Taxonomy of Industrial Product-Service Systems for Small- and Medium-Sized Manufacturers. , 2021, , 117-132.		0

#	ARTICLE	IF	CITATIONS
387	The impact of Operations and IT-related Industry 4.0 key technologies on organizational resilience. Production Planning and Control, 2022, 33, 1417-1431.	8.8	55
388	Blockchain-Based Industrial Internet of Things for the Integration of Industrial Process Automation Systems. Advances in Data Mining and Database Management Book Series, 2021, , 163-186.	0.5	0
389	The Development of Servitization Concept in the Era of Industry 4.0 Through SCM Perspective. , 2021, , 336-358.		0
390	Key Enablers of Industry 4.0 Development at Firm Level: Findings From an Emerging Economy. IEEE Transactions on Engineering Management, 2023, 70, 400-416.	3.5	27
391	A study of trends and industrial prospects of Industry 4.0. Materials Today: Proceedings, 2021, 47, 2364-2369.	1.8	16
393	Sustainable urban development based on energy and resource conservation concepts. E3S Web of Conferences, 2021, 274, 10017.	0.5	1
395	Industry 4.0 Implementation Challenges and Opportunities: A Technological Perspective. IEEE Systems Journal, 2022, 16, 2797-2810.	4.6	31
396	Towards design and implementation of Industry 4.0 for food manufacturing. Neural Computing and Applications, 2023, 35, 23753-23765.	5.6	29
397	Convergence of Local Enterprises with Large Corporations: Bridging Industry 4.0 Functions on Broader Business Canvass. , 2020, , 1-28.		1
398	SME Requirements and Guidelines for the Design of Smart and Highly Adaptable Manufacturing Systems. , 2020, , 39-72.		17
399	Clustering Analysis to Profile Customersâ€™ Behaviour in POWER CLOUD Energy Community. Lecture Notes in Computer Science, 2020, , 437-450.	1.3	1
400	Industry 4.0 and Knowledge Management: A Review of Empirical Studies. Knowledge Management and Organizational Learning, 2020, , 19-52.	0.5	18
401	Knowledge and Digital Strategies in Manufacturing Firms: The Experience of Top Performers. Knowledge Management and Organizational Learning, 2020, , 85-111.	0.5	2
403	Industry 4.0 on Demand: A Value Driven Methodology to Implement Industry 4.0. IFIP Advances in Information and Communication Technology, 2020, , 99-106.	0.7	2
404	Technology Adoption in the Industry 4.0 Era: Empirical Evidence from Manufacturing Companies. IFIP Advances in Information and Communication Technology, 2020, , 115-122.	0.7	2
405	A Learning Roadmap for Digital Lean Manufacturing. IFIP Advances in Information and Communication Technology, 2020, , 417-424.	0.7	7
406	KI zur Unterstützung neuer Arbeitswelten in Produktion, Handel und Logistik. FOM-Edition, 2020, , 155-167.	0.1	3
407	Development of Algorithms for the Operation of PLM-System of Electronic. Smart Innovation, Systems and Technologies, 2020, , 687-695.	0.6	1

#	ARTICLE	IF	CITATIONS
408	Exploration of Pillars of Industry 4.0 Using Latent Semantic Analysis Technique. Smart Innovation, Systems and Technologies, 2020, , 711-719.	0.6	3
409	Artificial Intelligence Platform Proposal for Paint Structure Quality Prediction within the Industry 4.0 Concept. IFAC-PapersOnLine, 2020, 53, 11168-11174.	0.9	10
410	Systematic Literature Review of Industry 4.0 Maturity Model for Manufacturing and Logistics Sectors. Procedia Manufacturing, 2020, 52, 337-343.	1.9	32
411	Multi-criteria decision method for choosing ERP cloud systems in Industry 4.0 era. Multidisciplinary Aspects of Production Engineering, 2019, 2, 435-446.	0.2	1
412	Impacts of the Transformation to Industry 4.0 in the Manufacturing Sector: The Case of the U.S.. Organizacija, 2020, 53, 287-305.	1.6	7
413	Blockchain and Supply Chain Management: A New Paradigm for Supply Chain Integration and Collaboration. Operations and Supply Chain Management, 0, , 111-122.	0.0	37
414	Estimation of Specific Cutting Energy in an S235 Alloy for Multi-Directional Ultrasonic Vibration-Assisted Machining Using the Finite Element Method. Materials, 2020, 13, 567.	2.9	7
415	A Bibliometric Analysis in Industry 4.0 and Advanced Manufacturing: What about the Sustainable Supply Chain?. Sustainability, 2020, 12, 7840.	3.2	33
416	Exploring the economic and social impacts of Industry 4.0. Revue D'Economie Industrielle, 2020, , 11-35.	0.3	4
417	The Development of Servitization Concept in the Era of Industry 4.0 Through SCM Perspective. Advances in E-Business Research Series, 2020, , 593-615.	0.4	5
419	Top Management Support in the Implementation of Industry 4.0 and Business Digitization: The Case of Companies in the Main European Stock Indices. IEEE Access, 2021, 9, 139994-140007.	4.2	5
420	Environment for Education on Industry 4.0. IEEE Access, 2021, 9, 144395-144405.	4.2	16
421	A Look at Artificial Intelligence on the Perspective of Application in the Modern Education. Studies in Computational Intelligence, 2021, , 171-189.	0.9	0
422	Strategic Key Elements in Big Data Analytics as Driving Forces of IoT Manufacturing Value Creation: A Challenge for Research Framework. IEEE Transactions on Engineering Management, 2024, 71, 90-105.	3.5	3
423	A Survey on Industry 4.0 for the Oil and Gas Industry: Upstream Sector. IEEE Access, 2021, 9, 144438-144468.	4.2	33
424	Adoption of digital technologies during the COVID-19 pandemic: Lessons learned from collaborative Academia-Industry R&D case studies. , 2021, , .		3
425	Strategic Considerations of Industry 4.0 on Electronic Warfare using Technology Roadmaps. , 2021, , .		2
426	Äœretim Ä°ÅŸletmelerinin Endüstri 4.0 Entegrasyonunun Veri Zarflama Analizi ile DeÄŸerlendirilmesi. Northwestern Medical Journal, 2021, 36, 637-647.	0.2	1

#	ARTICLE	IF	CITATIONS
427	Extenuating operational risks through digital transformation of agri-food supply chains. Production Planning and Control, 2023, 34, 1165-1177.	8.8	24
428	Lab Scale Implementation of Industry 4.0 for an Automatic Yogurt Filling Production Systemâ€”Experimentation, Modeling and Process Optimization. Applied Sciences (Switzerland), 2021, 11, 9821.	2.5	6
429	The interplay between digital manufacturing and dynamic capabilities: an empirical examination of direct and indirect effects on firm performance. Journal of Manufacturing Technology Management, 2022, 33, 213-238.	6.4	14
430	Industry 4.0 Technologies and Their Impact in Contemporary Logistics: A Systematic Literature Review. Sustainability, 2021, 13, 11643.	3.2	17
431	How can open innovation support SMEs in the adoption of I4.0 technologies? An empirical analysis. R and D Management, 2022, 52, 615-632.	5.3	19
432	Artificial Intelligence Applications for Industry 4.0: A Literature-Based Study. Journal of Industrial Integration and Management, 2022, 07, 83-111.	4.8	106
433	Quality 4.0: literature review analysis, definition and impacts of the digital transformation process on quality. International Journal of Quality and Reliability Management, 2022, 39, 1312-1335.	2.0	35
434	Integrating Industry 4.0 and circular economy: a review. Journal of Enterprise Information Management, 2022, 35, 885-917.	7.5	21
435	Breaking the mould: achieving high-volume production output with additive manufacturing. International Journal of Operations and Production Management, 2021, 41, 1844-1851.	5.9	15
436	Understanding digital transformation in advanced manufacturing and engineering: A bibliometric analysis, topic modeling and research trend discovery. Advanced Engineering Informatics, 2021, 50, 101428.	8.0	56
437	Organizational competencies toward digital transformation at the events of disruptive changes: an operational process innovation perspective. Competitiveness Review, 2021, ahead-of-print, .	2.6	4
438	Identification of Shipyard Priorities in a Multi-Criteria Decision-Making Environment through a Transdisciplinary Energy Management Framework: A Real Case Study for a Turkish Shipyard. Journal of Marine Science and Engineering, 2021, 9, 1132.	2.6	18
439	Empowering freight transportation through Logistics 4.0: a maturity model for value creation. Production Planning and Control, 2023, 34, 1149-1164.	8.8	10
440	The HORSE framework: A reference architecture for cyber-physical systems in hybrid smart manufacturing. Journal of Manufacturing Systems, 2021, 61, 461-494.	13.9	16
441	Simulation and deep reinforcement learning for adaptive dispatching in semiconductor manufacturing systems. Journal of Intelligent Manufacturing, 2023, 34, 1311-1324.	7.3	8
442	Circular manufacturing 4.0: towards internet of things embedded closed-loop supply chains. International Journal of Advanced Manufacturing Technology, 2022, 118, 3241-3264.	3.0	19
443	Role of smart materials and digital twin (DT) for the adoption of electric vehicles in India. Materials Today: Proceedings, 2022, 52, 2295-2304.	1.8	6
444	6 â€œ Industria 4.0 nella filiera automotive italiana. Ricerche Per L'innovazione Nell'industria Automotive, 2021, , .	0.3	0

#	ARTICLE	IF	CITATIONS
445	Robotics technologies aided for 3D printing in construction: a review. International Journal of Advanced Manufacturing Technology, 2022, 118, 3559-3574.	3.0	13
446	The role of big data for Supply Chain 4.0 in manufacturing organisations of developing countries. Journal of Enterprise Information Management, 2021, 34, 1452-1480.	7.5	21
447	The drivers of industry 4.0 in a circular economy: The palm oil industry in Malaysia. Journal of Cleaner Production, 2021, 324, 129216.	9.3	35
448	Genetic parameter estimations of new traits of morphological quality on gilthead seabream (Sparus) Tj ETQq1 1 0.784314 rgBT /Overbo	1.7	6
449	A review of Industry 4.0 characteristics and challenges, with potential improvements using blockchain technology. Computers and Industrial Engineering, 2021, 162, 107746.	6.3	66
450	Detection of Industrial Machine Work Errors using LVQ Neural Network. , 2019, , .		0
451	Industrial Marketing Generations. , 2020, , 195-223.		0
452	Benefits of Industry 4.0 for Logistics and Decision-making of Managers. LOGI - Scientific Journal on Transport and Logistics, 2019, 10, 33-41.	1.0	0
453	Industry 4.0 within the framework of Supply Chain: a literature review and future research directions. Yorum-YÄ¶netim-YÄ¶ntem Uluslararası YÄ¶netim-Ekonomi Ve Felsefe Dergisi, 2019, 7, 129-141.	0.7	0
454	Impact of Platform Openness on Ecosystems and Value Streams in Platform-Based PSS Exemplified Using RAMI 4.0. IFIP Advances in Information and Communication Technology, 2020, , 338-346.	0.7	0
455	Are We Ready for Industry 4.0?. Smart Innovation, Systems and Technologies, 2020, , 99-113.	0.6	2
456	Industry 4.0: current trend and future scope for further research in High Performance Manufacturing. , 0, , .		0
457	Synergistic interaction of education, science, and industry. Leadership Education Personality an Interdisciplinary Journal, 2020, 2, 53-58.	0.5	2
458	TecnologÍas de la industria 4.0 en la innovaci3n de la cadena de valor de las PYMES. , 0, , 33-45.		1
459	Utilization of electronic marketing and economic determinants to improve income of dairy cattle farmer in Boyolali, Central Java - Indonesia. Journal of the Indonesian Tropical Animal Agriculture, 2020, 45, 243-249.	0.4	0
460	Ä°MALAT FÄ°RMASI Ä°ALIÄ°ZANLARININ Ä°NOVASYON YETENEKLERÄ°NÄ°N ENDÄ°STRÄ° 4.0 ALGILARI Ä°ZERÄ°NDEKÄ° ETKÄ°SÄ°. Ä°konomi Ve YÄ¶netim AraÄ°tırmalarÄ° Dergisi, 2020, 3, 153-171.	0.2	0
461	PolÍticas pÄ°blicas, bibliotecas escolares e o bibliotecÄ°rio no contexto da indÄ°stria 4.0. InformaÄ°es & InformaÄ°es, 2020, 25, 430.	0.1	1
462	SÄ°RDÄ°LEBÄ°LÄ°R TEDARÄ°K ZÄ°NCÄ°RÄ° YÄ°-NETÄ°MÄ° Ä°Ä°Ä°N ENDÄ°STRÄ° 4.0â€™ DAKÄ° ZORLUKLARIN DEÄ°ERLENDÄ°RÜLÜŞÜ. Industrial Engineering (Turkish Chamber of Mechanical Engineers), 2020, 31, 215-233.	0.3	3

#	ARTICLE	IF	CITATIONS
463	Analysis of IT and industry 4.0 technologies as facilitators of internationalization and business performance. Ingenieria E Investigacion, 2020, 40, 88-99.	0.4	0
464	Understanding big data-driven supply chain and performance measures for customer satisfaction. Benchmarking, 2022, 29, 2359-2377.	4.6	7
466	Make-in-India and Industry 4.0: technology readiness of select firms, barriers and socio-technical implications. TQM Journal, 2022, 34, 1485-1505.	3.3	14
468	Digitalisation and the performance measurement and management system: reinforcing empowerment. International Journal of Productivity and Performance Management, 2022, 71, 1059-1075.	3.7	8
469	A labelling system and automation comparison index for industry 4.0 system. Industrial Robot, 2022, 49, 415-427.	2.1	3
470	The status, barriers, challenges, and future in design for 4D printing. Materials and Design, 2021, 212, 110193.	7.0	55
471	The Impact of Blockchain on the Value Chain. SSRN Electronic Journal, 0, , .	0.4	2
472	Design of an Architecture of a Production Planning and Control System (PPC) for Additive Manufacturing (AM). Lecture Notes in Business Information Processing, 2020, , 391-402.	1.0	1
473	THE IMPACT OF THE ORGANIZATIONAL INNOVATIVENESS ON THE PERFORMANCE OF INDONESIAN SMES. Polish Journal of Management Studies, 2020, 22, 513-530.	0.9	3
474	New Dynamic Models for Quality Management in Digital Supply Chains. , 2021, , 1-19.		0
475	Energy Management: Sustainable Approach Towards Industry 4.0. , 2020, , .		2
477	Development and Evaluation of a Blockchain Concept for Production Planning and Control in the Semiconductor Industry. , 2020, , .		7
478	Impacts of Emerging Information Technologies on Supply Chains: A Systematic Literature Review. , 2020, , .		1
479	Healthcare costsâ€™ reduction through the integration of Healthcare 4.0 technologies in developing economies. Total Quality Management and Business Excellence, 2022, 33, 467-487.	3.8	14
480	DEVELOPMENT OF A SOFTWARE MODULE FOR OPERATIONAL DISPATCH CONTROL OF PRODUCTION BASED ON CYBER-PHYSICAL CONTROL SYSTEMS. Innovative Technologies and Scientific Solutions for Industries, 2020, .	0.2	1
481	Supporting interaction in augmented reality assisted industrial processes using a CNN-based semantic layer. , 2020, , .		3
482	Competencias del ingeniero industrial en la Industria 4.0. Revista Electronica De Investigacion Educativa, 0, 22, 1-14.	0.5	3
483	Examining the roles and challenges of human capital influence on 4th industrial revolution. AIP Conference Proceedings, 2020, , .	0.4	5

#	ARTICLE	IF	CITATIONS
484	Improving the Systems for Increasing the Manufacturability of Products Under the Conditions of Industry 4.0. , 0, , .		0
485	Espousal of Industry 4.0 in Indian Manufacturing Organizations. Advances in Computer and Electrical Engineering Book Series, 2020, , 245-252.	0.3	7
486	Reconstructing CNC platform for EDM machines towards smart manufacturing. Procedia CIRP, 2020, 95, 161-177.	1.9	7
487	Time Series Clustering for Knowledge Discovery on Metal Additive Manufacturing. Lecture Notes in Computer Science, 2020, , 447-455.	1.3	0
488	Comparison of selection and combination strategies for demand forecasting methods. Production, 0, 30, .	1.3	6
489	The Economic Dimension of Implementing Industry 4.0 in Maintenance and Asset Management. Lecture Notes in Electrical Engineering, 2020, , 299-306.	0.4	0
490	Additive Manufacturing from the Point of View of Materials Research. , 2020, , 43-83.		1
491	Challenges in Deployment and Configuration Management in Cyber Physical System. Scalable Computing and Communications, 2020, , 215-235.	0.5	1
492	An Energy-Efficient Context Aware Solution for Environmental Assessment. IFAC-PapersOnLine, 2020, 53, 756-761.	0.9	1
493	Increasing Resource Efficiency Through Digitalization “ Chances and Challenges for Manufacturing Industries. Lecture Notes on Multidisciplinary Industrial Engineering, 2020, , 1-11.	0.6	0
494	Balanced Maintenance Program with a Value Chain Perspective. Lecture Notes in Electrical Engineering, 2020, , 317-324.	0.4	1
495	Effects of Industry 4.0 on Human Factors/Ergonomics Design in 21st Century. Advances in Intelligent Systems and Computing, 2020, , 437-443.	0.6	2
496	Anxiety, Depression and Quality of Life in Industry 4.0: A literature review. International Journal of Advanced Engineering Research and Science, 2020, 7, 284-293.	0.1	3
497	Towards the Digitally-Enabled Multinational Inner Network (DEMIN). GestÃO & ProduÇÃO, 2020, 27, .	0.5	4
498	Identifying Challenges Related to Industry 4.0 in Five Manufacturing Companies. Procedia Manufacturing, 2021, 55, 328-334.	1.9	3
499	Omni-channel integration: the matter of information and digital technology. International Journal of Operations and Production Management, 2021, 41, 1660-1710.	5.9	13
500	A novel intelligent manufacturing mode with human-cyber-physical collaboration and fusion in the non-ferrous metal industry. International Journal of Advanced Manufacturing Technology, 2022, 119, 549-569.	3.0	4
501	The Current Status and Developing Trends of Industry 4.0: a Review. Information Systems Frontiers, 0, 1.	6.4	34

#	ARTICLE	IF	CITATIONS
502	Towards designing society 5.0 solutions: The new Quintuple Helix - Design Thinking approach to technology. Technovation, 2022, 113, 102413.	7.8	24
503	Secure data exchange in Industrial Internet of Things. Neurocomputing, 2022, 484, 183-195.	5.9	5
504	Evaluation of Criteria that Affect the Sustainability of Smart Supply Chain in a Textile Firm by Fuzzy SWARA Method. Advances in Intelligent Systems and Computing, 2021, , 658-665.	0.6	1
506	Not for everyone? Product characteristics and digital production technologies in manufacturing. Revue D'Economie Industrielle, 2020, , 37-56.	0.3	0
507	Ontology-Based Context Modeling in Physical Asset Integrity Management. Frontiers in Computer Science, 2020, 2, .	2.8	1
508	COMPARISON OF CLASSIFICATION ALGORITHMS FOR ANOMALY DETECTION IN ENERGY OPTIMIZATION OF HIGH RACK STORAGE SYSTEMS. Uluslararası Yönetim Bilişim Sistemleri Ve Bilgisayar Bilimleri Dergisi, 2020, 4, 89-109.	0.3	2
509	A Case Study Initiating Discrete Event Simulation as a Tool for Decision Making in I4.0 Manufacturing. Lecture Notes in Business Information Processing, 2021, , 84-96.	1.0	6
510	Smart Manufacturing in the Wooden Single-Family House Industry – Status of Industry 4.0. Procedia CIRP, 2021, 104, 1488-1493.	1.9	2
511	Concept for the development of a Lean 4.0 reference implementation strategy for manufacturing companies. Procedia CIRP, 2021, 104, 330-335.	1.9	6
512	Classification of Sustainable Business Models: A literature review and a map of their impact on the Sustainable Development Goals. FME Transactions, 2021, 49, 784-794.	1.4	3
513	An Integrated Impact of Blockchain Technology on Supply Chain Management and the Logistics Industry. Advances in Electronic Commerce Series, 2022, , 152-175.	0.3	1
514	Digital Retrofitting of legacy machines: A holistic procedure model for industrial companies. CIRP Journal of Manufacturing Science and Technology, 2022, 36, 35-44.	4.5	9
515	KSPMI: A Knowledge-based System for Predictive Maintenance in Industry 4.0. Robotics and Computer-Integrated Manufacturing, 2022, 74, 102281.	9.9	49
516	A Comparative Study on IR4.0 Technologies and its Maturity Level on Small, Medium Enterprises in Developed and Developing Countries. , 2021, , .		1
517	Modular Virtual Preparation method of production systems using a Digital Twin architecture. , 2021, , .		2
518	Sectoral Prioritization of Industry 4.0 under Lean Supply Chain with an Integrated Fuzzy Decision-Making Approach: The Case of Turkey. , 2021, , .		0
519	Does lean and sustainable manufacturing lead to Industry 4.0 adoption: The mediating role of ambidextrous innovation capabilities. Technological Forecasting and Social Change, 2022, 175, 121328.	11.6	35
520	The impact of applying knowledge in the technological pillars of Industry 4.0 on supply chain performance. Kybernetes, 2023, 52, 1094-1126.	2.2	10

#	ARTICLE	IF	CITATIONS
521	Implementing Vertical Integration in the Industry 4.0 Journey: Which Factors Influence the Process of Information Systems Adoption?. Information Systems Frontiers, 2021, , 1-18.	6.4	21
522	Smart Working in Industry 4.0: How digital technologies enhance manufacturing workers' activities. Computers and Industrial Engineering, 2022, 163, 107804.	6.3	64
523	Integrating the circular economy and industry 4.0 for sustainable development: Implications for responsible footwear production in a big data-driven world. Technological Forecasting and Social Change, 2022, 175, 121335.	11.6	31
524	Prioritizing Enabling Factors of IoT Adoption for Sustainability in Supply Chain Management. Sustainability, 2021, 13, 12890.	3.2	6
525	Worldwide Innovation and Technology Environments: Research and Future Trends Involving Open Innovation. Journal of Open Innovation: Technology, Market, and Complexity, 2021, 7, 229.	5.2	17
526	Calibration and Validation of a Cone Crusher Model with Industrial Data. Minerals (Basel,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 2.0	2.0	5
527	Analysis and evaluation of challenges in the integration of Industry 4.0 and sustainable steel reverse logistics network. Computers and Industrial Engineering, 2022, 163, 107808.	6.3	30
528	The Effects of Digital Transformation on Firm Performance: Evidence from Chinaâ€™s Manufacturing Sector. Sustainability, 2021, 13, 12844.	3.2	84
529	Real-Time Implementation of a Fully Automated Industrial System Based on IR 4.0 Concept. Actuators, 2021, 10, 318.	2.3	6
530	Impact of IoT on Manufacturing Industry 4.0: A New Triangular Systematic Review. Sustainability, 2021, 13, 12506.	3.2	47
531	The Use of Prospect Theory for Energy Sustainable Industry 4.0. Energies, 2021, 14, 7694.	3.1	10
532	Supply chain firm performance in circular economy and digital era to achieve sustainable development goals. Business Strategy and the Environment, 2022, 31, 1058-1073.	14.3	66
533	GNSS-Free Outdoor Localization Techniques for Resource-Constrained IoT Architectures: A Literature Review. Applied Sciences (Switzerland), 2021, 11, 10793.	2.5	16
534	Smart Production Planning and Control Model. Smart Innovation, Systems and Technologies, 2022, , 253-267.	0.6	2
535	Implementing Industry 4.0 through Cleaner Production and Social Stakeholders: Holistic and Sustainable Model. Sustainability, 2021, 13, 12479.	3.2	9
536	Strategic Orientation, Digital Capabilities, and New Product Development in Emerging Market Firms: The Moderating Role of Corporate Social Responsibility. Sustainability, 2021, 13, 12703.	3.2	11
537	Modelling of interrelationships amongst enterprise and inter-enterprise information system barriers affecting digitalization in electronics supply chain. Business Process Management Journal, 2022, 28, 178-207.	4.2	11
538	Digital Servitization as a New Research Stream: A Bibliometric Analysis. Lecture Notes in Business Information Processing, 2021, , 222-234.	1.0	0

542	A task-based and HF-based reference framework for digital technologies choice and adoption. IFAC-PapersOnLine, 2021, 54, 25-30.	0.9	2
-----	---	-----	---

#	ARTICLE	IF	CITATIONS
560	Role of Industry 4.0 in Supply Chains Sustainability: A Systematic Literature Review. Sustainability, 2021, 13, 9544.	3.2	22
561	A DifferentialDrive Bot named Box-I-Bot withIntelligent Routing Infrastructure for remoteinventory monitoring in warehouses. , 2021, , .		0
562	Public Sector Digital Transformation: Challenges for Information Technology Leaders. , 2021, , .		2
563	The road towards industry 4.0: aÂcomparative study of the state-of-the-art in the ItalianÂmanufacturing industry. Benchmarking, 2023, 30, 307-332.	4.6	10
564	Development of an industry 4.0 transformability index for manufacturing systems. Industrial Robot, 2022, ahead-of-print, 512.	2.1	4
565	The impact of Industry 4.0 on the relationship between TPM and maintenance performance. Journal of Manufacturing Technology Management, 2022, 33, 489-520.	6.4	21
566	Industry 4.0, Internal Green Supply Chain Practices, and the Firm's Sustainable Performance. , 2022, , 1-14.		1
567	Investigating the Integration of Industry 4.0 and Lean Principles on Supply Chain: A Multi-Perspective Systematic Literature Review. Applied Sciences (Switzerland), 2022, 12, 586.	2.5	7
568	Industry 4.0 technologies and circular economy: The mediating role of supply chain integration. Business Strategy and the Environment, 2022, 31, 619-632.	14.3	66
569	Challenges and Benefits of Sustainable Industry 4.0 for Operations and Supply Chain Management”A Framework Headed toward the 2030 Agenda. Sustainability, 2022, 14, 830.	3.2	46
570	Industrial digitalization. A systematic literature review and research agenda. European Management Journal, 2023, 41, 47-78.	5.1	31
571	Evaluation of automobile parts design scheme for intelligent manufacturing. Journal of Computational Methods in Sciences and Engineering, 2022, 22, 175-187.	0.2	0
572	A conceptual model for the acceptance of collaborative robots in industry 5.0. Procedia Computer Science, 2022, 197, 61-67.	2.0	28
574	Energyâ€related clean and green framework for shipbuilding community towards zeroâ€emissions: A strategic analysis from concept to case study. International Journal of Energy Research, 2022, 46, 20624-20649.	4.5	35
575	Intelligent manufacturing execution systems: A systematic review. Journal of Manufacturing Systems, 2022, 62, 503-522.	13.9	43
576	Value-capture in digital servitization. Journal of Manufacturing Technology Management, 2022, 33, 986-1004.	6.4	15
577	From Artificial Intelligence to Explainable Artificial Intelligence in Industry 4.0: A Survey on What, How, and Where. IEEE Transactions on Industrial Informatics, 2022, 18, 5031-5042.	11.3	189
578	A systematic review of AR/VR in operations and supply chain management: maturity, current trends and future directions. Journal of Global Operations and Strategic Sourcing, 2022, 15, 534-565.	4.6	17

#	ARTICLE	IF	CITATIONS
579	Disparities in robot adoption among U.S. manufacturers: a critical economic development challenge. Industry and Innovation, 2022, 29, 1025-1044.	3.1	6
580	Konfeksiyon İşletmelerinde Endüstri 4.0 Perspektifinde Akıllı İşletim Sistemleri Entegrasyonu'nun Bir Modeli. Düzce Üniversitesi Bilim Ve Teknoloji Dergisi, 0, , 434-447.	0.7	1
581	Integration of Improvement Strategies and Industry 4.0 Technologies in a Dynamic Evaluation Model for Target-Oriented Optimization. Applied Sciences (Switzerland), 2022, 12, 1530.	2.5	11
582	Evolution of Servitization: new business model opportunities. International Journal of Production Management and Engineering, 2022, 10, 77-90.	1.5	3
583	Responsible digitalization through digital technologies and green practices. Corporate Social Responsibility and Environmental Management, 2022, 29, 984-995.	8.7	46
584	Digital twin in smart manufacturing. Journal of Industrial Information Integration, 2022, 26, 100289.	6.4	170
585	Digital transformation in project-based manufacturing: Developing the ISA-95 model for vertical integration. International Journal of Production Economics, 2022, 245, 108413.	8.9	13
586	The redesign of blue- and white-collar work triggered by digitalization: collar matters. Computers and Industrial Engineering, 2022, 165, 107910.	6.3	17
587	Digital platform capability and organizational agility of emerging market manufacturing SMEs: The mediating role of intellectual capital and the moderating role of environmental dynamism. Technological Forecasting and Social Change, 2022, 177, 121513.	11.6	59
588	NDE 4.0: New Paradigm for the NDE Inspection Personnel. , 2022, , 239-269.		0
589	Research trends in digital transformation in the service sector: a review based on network text analysis. Service Business, 2022, 16, 77-98.	4.2	32
590	Soft computing-based process optimization in laser metal deposition of Ti-6Al-4V. International Journal of Advanced Manufacturing Technology, 0, , 1.	3.0	2
591	Marketing platform products for successful customer outcomes: an empirical investigation of project process integration. International Journal of Quality and Service Sciences, 2022, ahead-of-print, .	2.4	2
592	Investigating barriers to demand-driven SME collaboration in low-volume high-variability manufacturing. Supply Chain Management, 2022, 27, 265-282.	6.4	12
593	The impact of smart materials, digital twins (DTs) and Internet of things (IoT) in an industry 4.0 integrated automation industry. Materials Today: Proceedings, 2022, 62, 18-25.	1.8	19
594	Economic nationalism and internationalization of services: Review and research agenda. Journal of World Business, 2022, 57, 101314.	7.7	15
595	The link between information and digital technologies of industry 4.0 and agile supply chain: Mapping current research and establishing new research avenues. Computers and Industrial Engineering, 2022, 167, 108000.	6.3	61
596	Machine learning integrated design and operation management for resilient circular manufacturing systems. Computers and Industrial Engineering, 2022, 167, 107971.	6.3	14

#	ARTICLE	IF	CITATIONS
597	A Comprehensive Survey on Interoperability for IIoT: Taxonomy, Standards, and Future Directions. ACM Computing Surveys, 2023, 55, 1-35.	23.0	60
598	Sustainable Manufacturing 4.0”Pathways and Practices. Sustainability, 2021, 13, 13956.	3.2	25
599	R&D collaboration strategies for industry 4.0 implementation: A case study in Brazil. Journal of Engineering and Technology Management - JET-M, 2022, 63, 101675.	2.7	9
600	Reconfigurable autonomous industrial mobile manipulator system. , 2022, , .		2
601	Innovation in the supply chain and big data: a critical review of the literature. European Journal of Innovation Management, 2022, 25, 479-497.	4.6	10
602	On-demand forklift hailing system for Intralogistics 4.0. Procedia Computer Science, 2022, 200, 878-886.	2.0	2
605	Developing a learning-to-learn capability: insights on conditions for Industry 4.0 adoption. International Journal of Operations and Production Management, 2022, 42, 25-53.	5.9	31
606	Beyond the Hype: Smart Manufacturing and Sustainable Excellence for SMEs. Industrial Ecology, 2022, , 107-122.	1.2	0
607	Digital Twin Perspective of Fourth Industrial and Healthcare Revolution. IEEE Access, 2022, 10, 25732-25754.	4.2	33
608	Artificial intelligence in the reduction and management of land pollution. , 2022, , 319-333.		0
609	Enabling Sustainable Manufacturing in the Fashion Retail Industry Through the Deployment of Industry 4.0 Concept. Lecture Notes in Electrical Engineering, 2022, , 759-765.	0.4	0
610	Blockchain Technology Applications in Businesses and Organizations. SSRN Electronic Journal, 0, , .	0.4	2
612	Software for optimization of beam output during electron beam welding of thin-walled structures. Procedia Computer Science, 2022, 200, 843-851.	2.0	1
613	A Review of Multisensor Data Fusion Solutions in Smart Manufacturing: Systems and Trends. Sensors, 2022, 22, 1734.	3.8	19
614	The Relationship between Circular Economy, Industry 4.0 and Supply Chain Performance: A Combined ISM/Fuzzy MICMAC Approach. Sustainability, 2022, 14, 2772.	3.2	7
615	Identifying and Estimating the Implementation Level for Industry 4.0. , 2022, , .		0
616	Industry 4.0: Clustering of concepts and characteristics. Cogent Engineering, 2022, 9, .	2.2	41
617	How to assess investments in industry 4.0 technologies? A multiple-criteria framework for economic, financial, and sociotechnical factors. Production Planning and Control, 2023, 34, 1583-1602.	8.8	13

#	ARTICLE	IF	CITATIONS
618	Assessing the industrial readiness for adoption of industry 4.0 in Nepal: A structural equation model analysis. <i>Heliyon</i> , 2022, 8, e08919.	3.2	17
619	Digital Twin—Cyber Replica of Physical Things: Architecture, Applications and Future Research Directions. <i>Future Internet</i> , 2022, 14, 64.	3.8	46
620	Facing the era of smartness: constructing a framework of required technology competencies for hospitality practitioners. <i>Journal of Hospitality and Tourism Technology</i> , 2022, 13, 500-526.	3.8	11
621	A framework of digital technologies for the circular economy: Digital functions and mechanisms. <i>Business Strategy and the Environment</i> , 2022, 31, 2171-2192.	14.3	86
622	A principal component analysis of barriers to the implementation of blockchain technology in the South African built environment. <i>Journal of Engineering, Design and Technology</i> , 2022, 20, 914-934.	1.7	14
623	A Robust Scheduling Framework for Re-Manufacturing Activities of Turbine Blades. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3034.	2.5	4
624	Supply Chain Management Reshaped with Industry 4.0: A Review. <i>Contemporary Studies in Economic and Financial Analysis</i> , 2022, 108A, 69-93.	0.5	0
625	Classification of Industry 4.0 for Total Quality Management: A Review. <i>Sustainability</i> , 2022, 14, 3329.	3.2	9
626	Multidisciplinary avenues on the integration of industry 4.0 in the degree of mechanical engineering. <i>IOP Conference Series: Materials Science and Engineering</i> , 2022, 1228, 012029.	0.6	0
627	DETERMINING THE INDUSTRY 4.0 MATURITY LEVEL OF MANUFACTURING COMPANIES IN TURKEY. <i>Verimlilik Dergisi</i> , 2022, , 365-380.	0.6	1
628	Methodology for data-driven predictive maintenance models design, development and implementation on manufacturing guided by domain knowledge. <i>International Journal of Computer Integrated Manufacturing</i> , 2022, 35, 1310-1334.	4.6	7
629	It takes two to tango: technological and non-technological factors of Industry 4.0 implementation in manufacturing firms. <i>Review of Managerial Science</i> , 2023, 17, 827-853.	7.1	7
630	The Product Customization Process in Relation to Industry 4.0 and Digitalization. <i>Processes</i> , 2022, 10, 539.	2.8	26
631	The Global Industrial Robotics Market: Development Trends and Volume Forecast. <i>Research in Economic Anthropology</i> , 2022, 42, 187-195.	0.6	2
632	Telecommunications, productivity and regional dependence: a comparative analysis between the Brazil, China and main developed regions in the post-reform period. <i>Journal of Economic Structures</i> , 2022, 11, .	1.6	0
635	The management of Industry 4.0 technologies and environmental assets for optimal performance of industrial firms in Malaysia. <i>Environmental Science and Pollution Research</i> , 2022, 29, 52964-52983.	5.3	9
636	Digital transformation of health services: a value stream-oriented approach. <i>International Journal of Production Research</i> , 2023, 61, 1814-1828.	7.5	6
637	High isolation microstrip bandpass diplexer for industry 4.0 communication. <i>Microsystem Technologies</i> , 0, , 1.	2.0	1

#	ARTICLE	IF	CITATIONS
638	A sustainable deep learning framework for fault detection in 6G Industry 4.0 heterogeneous data environments. <i>Computer Communications</i> , 2022, 187, 164-171.	5.1	17
639	Digitalization of Small and Medium-Sized Enterprises and Economic Growth: Evidence for the EU-27 Countries. <i>Journal of Open Innovation: Technology, Market, and Complexity</i> , 2022, 8, 67.	5.2	21
640	Evaluation of Industry 4.0 Transformation Barriers for SMEs in Turkey. <i>EskiÅŸehir Osmangazi Åœeniversitesi Å°ktisadi Ve Å°dari Bilimler Dergisi</i> , 2022, 17, 239-255.	0.5	6
641	Towards the Tyrell corporation? Digitisation, firm-size and productivity divergence in Spain. <i>Journal of Innovation & Knowledge</i> , 2022, 7, 100185.	14.0	13
642	Impacts of IoT adoption on NPD processes: optimization and control. <i>REGE Revista De GestÃ£o</i> , 2022, ahead-of-print, .	1.6	0
643	Distributed Asymmetric Virtual Reality in Industrial Context: Enhancing the Collaboration of Geographically Dispersed Teams in the Pipeline of Maintenance Method Development and Technical Documentation Creation. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3728.	2.5	9
644	Industry 4.0 enabling manufacturing flexibility: technology contributions to individual resource and shop floor flexibility. <i>Journal of Manufacturing Technology Management</i> , 2022, 33, 853-875.	6.4	23
645	The role of absorptive capacity inÅthe adoption of Smart Manufacturing. <i>International Journal of Operations and Production Management</i> , 2022, 42, 773-796.	5.9	17
646	Blue Ocean 4.0 for sustainability â€œ harnessing Blue Ocean Strategy through Industry 4.0. <i>Technology Analysis and Strategic Management</i> , 0, , 1-16.	3.5	3
647	The relationships between digitalization and ecosystem-related capabilities for service innovation in agricultural machinery manufacturers. <i>Journal of Cleaner Production</i> , 2022, 343, 130982.	9.3	11
648	Disentangling Capabilities for Industry 4.0 - an Information Systems Capability Perspective. <i>Information Systems Frontiers</i> , 2022, , 1-29.	6.4	8
649	Investigating the relationship among Industry 4.0 drivers, adoption, risks reduction, and sustainable organizational performance in manufacturing industries: An empirical study. <i>Sustainable Production and Consumption</i> , 2022, 31, 670-692.	11.0	22
650	Analysis of the adoption of emergent technologies for risk management in the era of digital manufacturing. <i>Technological Forecasting and Social Change</i> , 2022, 178, 121562.	11.6	58
651	Measuring the fourth industrial revolution through the Industry 4.0 lens: The relevance of resources, capabilities and the value chain. <i>Computers in Industry</i> , 2022, 138, 103639.	9.9	26
652	From forest to finished products: The contribution of Industry 4.0 technologies to the wood sector. <i>Computers in Industry</i> , 2022, 138, 103637.	9.9	27
653	Asynchronous industrial collaboration: How virtual reality and virtual tools aid the process of maintenance method development and documentation creation. <i>Computers in Industry</i> , 2022, 140, 103663.	9.9	17
654	Bases for the digital transformation of the productive sector. , 2021, 1, 60-82.		0
655	The Digitization of European business. , 2021, 1, 39-58.		3

#	ARTICLE	IF	CITATIONS
656	Sustainable competitive advantage through technology and innovation systems in the local government authorities. Africa's Public Service Delivery and Performance Review (APSDPR), 2021, 9, .	0.7	0
657	Exploring Barriers for Software Development in Agile and Integrated Development of Production Systems. , 2021, , .		0
658	Applications of Industry 4.0 During COVID-19 Situation for Thailand's Logistics System in Customer Satisfaction Context. , 2021, , .		0
659	Proposal of a Tool for Determining Sub- and Main Dimension Indicators in Assessing Internal Logistics Readiness for Industry 4.0 within a Company. Applied Sciences (Switzerland), 2021, 11, 11817.	2.5	1
660	Exploring relationships for integrating lean, environmental sustainability and industry 4.0. International Journal of Lean Six Sigma, 2022, 13, 863-896.	3.3	12
661	Features of the Formation of Technological Expectations in Russia: Analysis of the Results of Business Tendency Surveys of Digital Transformation of Manufacturing Enterprises. Voprosy Statistiki, 2021, 28, 43-58.	0.5	0
662	Fashion CAD education during the COVID-19 pandemic in South Korea: comparison of online and offline learning achievements. International Journal of Fashion Design, Technology and Education, 0, , 1-11.	1.6	2
663	Enabling Factors of Digital Manufacturing Supply Chains: A Systematic Literature Review. , 2021, , .		1
664	Supply chain risks in Industry 4.0 environment: review and analysis framework. Production Planning and Control, 2023, 34, 1275-1302.	8.8	26
665	Digital tools and smart technologies in marketing: a thematic evolution. International Marketing Review, 2022, 39, 1122-1150.	3.6	9
666	Digital Transformation as Strategic Shift - A Bibliometric Analysis. Studies in Business and Economics, 2021, 16, 136-151.	0.7	9
667	An exploration of organizational readiness factors for Quality 4.0: an intercontinental study and future research directions. International Journal of Quality and Reliability Management, 2023, 40, 582-606.	2.0	25
668	Industry 4.0: A Proposal of Paradigm Organization Schemes from a Systematic Literature Review. Sensors, 2022, 22, 66.	3.8	4
669	Technology adoption expectations in the face of temporal uncertainty: an analysis of survey data from manufacturing firms. Technology Analysis and Strategic Management, 2024, 36, 45-58.	3.5	2
670	Digital technologies and the balance between control and empowerment in performance management. Measuring Business Excellence, 2022, 26, 583-596.	2.4	3
671	Ubiquitous Control of a CNC Machine: Proof of Concept for Industrial IoT Applications. Information (Switzerland), 2021, 12, 529.	2.9	4
672	The New Era of Business Digitization through the Implementation of 5G Technology in Romania. Sustainability, 2021, 13, 13401.	3.2	15
673	Construction of Smart City Street Landscape Big Data-Driven Intelligent System Based on Industry 4.0. Computational Intelligence and Neuroscience, 2021, 2021, 1-11.	1.7	9

#	ARTICLE	IF	CITATIONS
674	An Educational Model for Competence Development Within Simulation and Technologies for Industry 4.0. , 2021, , .		2
675	Assessing Industry 4.0 readiness in manufacturing: a self-diagnostic framework and an illustrative case study. Journal of Manufacturing Technology Management, 2022, 33, 468-488.	6.4	16
676	Disentangling the link between ICT and Industry 4.0: impacts on knowledge-related performance. International Journal of Productivity and Performance Management, 2022, 71, 1076-1098.	3.7	11
677	Accessibility and Adoption of Industry 4.0 Technologies for Small Manufacturing Firms. , 2021, , .		0
678	Training for Industry 4.0: a systematic literature review and directions for future research. Brazilian Journal of Operations and Production Management, 2021, 19, 1-19.	1.4	7
679	Knowledge mapping of research on Industry 4.0: A visual analysis using CiteSpace. Serbian Journal of Management, 2022, 17, 125-143.	0.9	0
681	Transformation towards Smart Working: Research proposal. , 2022, , .		0
682	Open Source IIoT Solution for Gas Waste Monitoring in Smart Factory. Sensors, 2022, 22, 2972.	3.8	8
683	Resource Recycling with the Aim of Achieving Zero-Waste Manufacturing. Sustainability, 2022, 14, 4503.	3.2	19
684	Identifying and prioritizing impediments of industry 4.0 to sustainable digital manufacturing: A mixed method approach. Journal of Cleaner Production, 2022, 356, 131639.	9.3	39
685	Digital Transformation Framework: A Bibliometric Approach. Lecture Notes in Networks and Systems, 2022, , 427-437.	0.7	4
686	Towards synchronization-oriented manufacturing planning and control for Industry 4.0 and beyond. IFAC-PapersOnLine, 2022, 55, 163-168.	0.9	12
687	Development and application of a human-centric co-creation design method for AI-enabled systems in manufacturing. IFAC-PapersOnLine, 2022, 55, 516-521.	0.9	3
689	Best Regional Practices for Digital Transformation in Industry: The Case of the Industry 4.0 Program in Portugal. Lecture Notes in Information Systems and Organisation, 2022, , 163-181.	0.6	2
690	Determining the Critical Failure Factors for Industry 4.0: An Exploratory Sequential Mixed Method Study. IEEE Transactions on Engineering Management, 2024, 71, 1862-1876.	3.5	8
691	A Multi-Criteria Decision-Making Model Based on Fuzzy Logic and AHP for the Selection of Digital Technologies. IFAC-PapersOnLine, 2022, 55, 319-324.	0.9	8
692	DRL-Based Joint Resource Allocation and Device Orchestration for Hierarchical Federated Learning in NOMA-Enabled Industrial IoT. IEEE Transactions on Industrial Informatics, 2023, 19, 7468-7479.	11.3	11
693	How does Industry 4.0 affect international exposure? The interplay between firm innovation and home-country policies in post-offshoring relocation decisions. International Business Review, 2022, 31, 101992.	4.8	13

#	ARTICLE	IF	CITATIONS
694	Employee adaptability skills for Industry 4.0 success: a road map. Production and Manufacturing Research, 2022, 10, 24-41.	1.5	12
695	Impact of Industry 4.0 on the economy and production. Saint Petersburg University Bulletin, 2022, , 71-76.	0.3	3
696	Scheduling of autonomous mobile robots with conflict-free routes utilising contextual-bandit-based local search. International Journal of Production Research, 2022, 60, 4090-4116.	7.5	4
697	A Dynamic Model of Evolutionary Knowledge and Capabilities Based on Human-Machine Interaction in Smart Manufactures. Computational Intelligence and Neuroscience, 2022, 2022, 1-10.	1.7	1
698	Evaluation of key factors for industry 4.0 technologies adoption in small and medium enterprises (SMEs): an emerging economy context. Journal of Asia Business Studies, 2023, 17, 347-370.	2.2	8
699	A Review of Digital Transformation on Supply Chain Process Management Using Text Mining. Processes, 2022, 10, 842.	2.8	29
700	Examining the Effects of Information Systems Usage and Managerial Commitment on Supply Chain Performance: The Mediating Role of Supply Chain Integration. SAGE Open, 2022, 12, 215824402210912.	1.7	3
701	Harnessing AI for business development: a review of drivers and challenges in Africa. Production Planning and Control, 0, , 1-10.	8.8	6
702	Industrial cyber-physical system driven intelligent prediction model for converter end carbon content in steelmaking plants. Journal of Industrial Information Integration, 2022, 28, 100356.	6.4	6
703	Enriching Artificial Intelligence Explanations with Knowledge Fragments. Future Internet, 2022, 14, 134.	3.8	4
704	Evolving industrial districts and changing innovation patterns: the case of Montreal. Competitiveness Review, 2022, ahead-of-print, .	2.6	0
705	Corporate narrative reporting on Industry 4.0 technologies: does governance matter?. International Journal of Accounting and Information Management, 2022, 30, 457-476.	3.8	25
706	The Impact of Integration of Industry 4.0 and Internal Organizational Forces on Sustaining Competitive Advantages and Achieving Strategic Objectives. Sustainability, 2022, 14, 5841.	3.2	5
707	Enabling flexible manufacturing system (FMS) through the applications of industry 4.0 technologies. Internet of Things and Cyber-physical Systems, 2022, 2, 49-62.	8.7	41
708	It Takes Two to Tango: Analyzing the Relationship between Technological and Administrative Process Innovations in Industry 4.0. Technological Forecasting and Social Change, 2022, 180, 121675.	11.6	10
709	Analysis of Logistics 4.0 service quality and its sustainability enabler scenarios in emerging economy. Cleaner Logistics and Supply Chain, 2022, 4, 100053.	6.0	14
710	Un outil de conception et de production intelligent permettant la personnalisation dâ€™une production continue de masse. Revue Française De Gestion Industrielle, 2022, 36, 07-26.	1.2	3
712	From Industry 4.0 to Supply Chain 4.0: A Systematic Review. , 0, , .		0

#	ARTICLE	IF	CITATIONS
714	A study on the relation between industry 4.0 technologies and gamification in e-learning. Interactive Technology and Smart Education, 2023, 20, 449-474.	5.6	3
715	Title: production planning and control in industry 4.0 environment: a morphological analysis of literature and research agenda. Journal of Intelligent Manufacturing, 2023, 34, 2513-2528.	7.3	2
717	Investigating the relationship between digital technologies, supply chain integration and firm resilience in the context of COVID-19. Annals of Operations Research, 2023, 327, 825-853.	4.1	20
718	Performance measurement based on machines data: Systematic literature review. IET Collaborative Intelligent Manufacturing, 2022, 4, 74-86.	3.3	1
719	A theoretical framework of smart supply chain innovation for going global companies: a multi-case study from China. International Journal of Logistics Management, 2022, 33, 1090-1113.	6.6	1
720	The evolution and future of lean&Six&Sigma 4.0. TQM Journal, 2023, 35, 1030-1047.	3.3	35
721	Towards Sustainable Manufacturing with Industry 4.0: A Framework for the Textile Industry. Proceedings of the Design Society, 2022, 2, 283-292.	0.8	3
722	Organizational tensions in industry 4.0 implementation: A paradox theory approach. International Journal of Production Economics, 2022, 251, 108532.	8.9	16
723	The Inclusion of Big Data as a Propellant of Urban Sustainability. , 2022, , 2271-2301.		0
724	Cad/Pdm-Erp Integration in Eto-Based Manufacturing. SSRN Electronic Journal, 0, , .	0.4	0
725	Aeronautics 4.0: Modeling and Simulation of a smart tool. , 2022, , .		0
726	How New Kids on the Block Shape Competition on the Battleground - Reversing Value Creation Strategies of Industrial Internet-of-Things Platforms. SSRN Electronic Journal, 0, , .	0.4	0
727	Effects of human capital on entrepreneurial ecosystems in&the&emerging economy: the&mediating role of digital knowledge and innovative capability from India perspective. Journal of Intellectual Capital, 2023, 24, 283-305.	5.4	10
728	Driving mechanism model of enterprise green strategy evolution under digital technology empowerment: A case study based on Zhejiang Enterprises. Business Strategy and the Environment, 2023, 32, 408-429.	14.3	20
729	Inova&Ã&o verde junto &as empresas internacionalizadas. , 0, , .		0
730	Blockchain Technology in Operations & Supply Chain Management: A Content Analysis. Sustainability, 2022, 14, 6192.	3.2	22
731	Heuristic Routing Algorithms for Time-Sensitive Networks in Smart Factories. Sensors, 2022, 22, 4153.	3.8	1
732	DIGITAL TRANSFORMATION IN MANUFACTURING SMEs: A BIBLIOMETRIC ANALYSIS USING VOSviewer. , 0, , .		1

#	ARTICLE	IF	CITATIONS
733	The performance impact of Industry 4.0 technologies on closed-loop supply chains: insights from an Italy based survey. International Journal of Production Research, 2023, 61, 3004-3029.	7.5	10
734	Exploring the Application Sphere of the Internet of Things in Industry 4.0: A Review, Bibliometric and Content Analysis. Sensors, 2022, 22, 4276.	3.8	39
735	Link between Industry 4.0 and green supply chain management: Evidence from the automotive industry. Computers and Industrial Engineering, 2022, 169, 108303.	6.3	37
736	In pursuit of humanised order picking planning: methodological review, literature classification and input from practice. International Journal of Production Research, 2023, 61, 3300-3330.	7.5	20
738	A systematic review of Industry 4.0 maturity models: applicability in the O&G upstream industry. World Journal of Engineering, 2022, ahead-of-print, .	1.6	3
739	Evaluation of corporate requirements for smart manufacturing systems using predictive analytics. Internet of Things (Netherlands), 2022, 19, 100554.	7.7	10
741	Intelligent and Automated Fault Detection and Diagnosis Strategy for HVAC Systems Based on Maintainability Rules for Construction 4.0. , 2021, , .		1
744	Digital Economy: Research, Approaches, and Development Strategies. Advances in Science, Technology and Innovation, 2022, , 863-865.	0.4	1
745	Optimal scheduling in a Collaborative robot environment and evaluating workforce dynamic performance. ITM Web of Conferences, 2022, 46, 01004.	0.5	1
746	Development of an augmented reality-based process management system: The case of a natural gas power plant. IJSE Transactions, 2023, 55, 201-216.	2.4	3
747	Industrial growth and technological prospects. Journal of New Economy, 2022, 23, 6-23.	0.7	5
748	Node-RED Workflow Manager for Edge Service Orchestration. , 2022, , .		2
749	Boosting environmental management: The mediating role of Industry 4.0 between environmental assets and economic and social firm performance. Business Strategy and the Environment, 2023, 32, 753-768.	14.3	16
750	Introducing the Electronic Knowledge Framework into the Traditional Automotive Suppliers' Industry: From Mechanical Engineering to Mechatronics. Businesses, 2022, 2, 273-289.	1.8	5
751	Extended Reality Application Framework for a Digital-Twin-Based Smart Crane. Applied Sciences (Switzerland), 2022, 12, 6030.	2.5	22
752	Construction 4.0 technologies and applications: a systematic literature review of trends and potential areas for development. Construction Innovation, 2023, 23, 961-993.	2.7	19
753	Project Management Maturity and Business Excellence in the Context of Industry 4.0. Processes, 2022, 10, 1155.	2.8	3
754	Industrial Needs in the Fields of Artificial Intelligence, Internet of Things and Edge Computing. Sensors, 2022, 22, 4501.	3.8	9

#	ARTICLE	IF	CITATIONS
755	Digitalization of maintenance: exploratory study on the adoption of Industry 4.0 technologies and total productive maintenance practices. <i>Production Planning and Control</i> , 2024, 35, 352-372.	8.8	12
756	A Sustainable Productive Method for Enhancing Operational Excellence in Shop Floor Management for Industry 4.0 Using Hybrid Integration of Lean and Smart Manufacturing: An Ingenious Case Study. <i>Sustainability</i> , 2022, 14, 7452.	3.2	17
757	Industry convergence and value innovation: a bibliometric analysis and systematic review. <i>Kybernetes</i> , 2022, ahead-of-print, .	2.2	1
758	Impact of Industry 4.0 adoption on workload demands in contact centers. <i>Human Factors and Ergonomics in Manufacturing</i> , 2022, 32, 406-418.	2.7	2
759	Digital Supply Chain Insights From Large Factories. <i>Advances in Logistics, Operations, and Management Science Book Series</i> , 2022, , 153-178.	0.4	0
760	The rise of the digital service economy in European regions. <i>Industry and Innovation</i> , 2023, 30, 637-663.	3.1	11
761	Acting in concert leads to success: how to implement Industry 4.0 effectively across companies. <i>International Journal of Logistics Management</i> , 2023, 34, 1245-1275.	6.6	4
763	Mapping the competencies of reconfigurable manufacturing system with the requirements of industry 4.0. <i>Journal of Remanufacturing</i> , 2022, 12, 385-409.	2.7	8
764	Do industry 4.0 technologies improve Cantabrian manufacturing smes performance? The role played by industry competition. <i>Technology in Society</i> , 2022, 70, 102019.	9.4	11
766	How can SMEs participate successfully in Industry 4.0 ecosystems?. , 2022, , 325-339.		1
768	A Deep Learning Approach for Automatic Counting of Bales and Product Boxes in Industrial Production Lines. <i>Lecture Notes in Computer Science</i> , 2022, , 619-633.	1.3	1
769	Digital retail key trends and developments. , 2022, , 237-254.		0
770	Digital Manufacturing. , 2022, , 27-45.		10
771	Combining machine learning and main path analysis to identify research front: from the perspective of science-technology linkage. <i>Scientometrics</i> , 2022, 127, 4251-4274.	3.0	7
772	Technological Acceptance of Industry 4.0 by Students from Rural Areas. <i>Electronics (Switzerland)</i> , 2022, 11, 2109.	3.1	4
773	Applications of the internet of things for optimizing warehousing and logistics operations: A systematic literature review and future research directions. <i>Computers and Industrial Engineering</i> , 2022, 171, 108455.	6.3	27
774	Identification, assessment, and quantification of new risks for Logistics 4.0. <i>International Journal of Logistics Research and Applications</i> , 0, , 1-25.	8.8	3
775	Drivers of digital supply chain transformation in SMEs and large enterprises â€” a case of COVID-19 disruption risk. <i>International Journal of Emerging Markets</i> , 2023, 18, 1355-1377.	2.2	6

#	ARTICLE	IF	CITATIONS
776	The Level of Digitization of Small, Medium and Large Enterprises in the Central and Eastern European Countries and Its Relationship with Economic Parameters. Journal of Open Innovation: Technology, Market, and Complexity, 2022, 8, 113.	5.2	9
777	Decision-Support Tools for Smart Transition to Circular Economy. Advanced Series in Management, 2022, 28, 151-169.	1.2	3
778	Lean supply chain management and Industry 4.0 interrelationships: the status quo and future perspectives. International Journal of Lean Six Sigma, 2023, 14, 335-367.	3.3	9
779	Servitisation and performance in the business-to-business context: the moderating role of Industry 4.0 technologies. Journal of Manufacturing Technology Management, 2022, 33, 108-128.	6.4	10
780	An evaluation method using virtual reality to optimize ergonomic design in manual assembly and maintenance scenarios. International Journal of Advanced Manufacturing Technology, 2022, 121, 5049-5065.	3.0	2
781	Developing a supervised machine learning model capable of distinguishing fiber orientation of polymer composite samples nondestructively tested using active ultrasonics. Journal of Advanced Manufacturing and Processing, 2023, 5, .	2.4	2
782	Industry 4.0 Based Business Process Re-Engineering Framework for Manufacturing Industry Setup Incorporating Evolutionary Multi-Objective Optimization. IEICE Transactions on Information and Systems, 2022, E105.D, 1283-1295.	0.7	0
783	Risk and resilience in agri-food supply chain SMEs in the pandemic era: a cross-country study. International Journal of Logistics Research and Applications, 2023, 26, 1602-1620.	8.8	12
784	Quality process reengineering in industry 4.0: A BPR perspective. Quality Engineering, 2023, 35, 110-129.	1.1	2
785	Bibliometric Method for Manufacturing Servitization: A Review and Future Research Directions. Sustainability, 2022, 14, 8743.	3.2	7
786	Industry 4.0 and supply chain performance: A systematic literature review of the benefits, challenges, and critical success factors of 11 core technologies. Industrial Marketing Management, 2022, 105, 268-293.	6.7	64
787	Prioritizing barriers for the adoption of Industry 4.0 technologies. Computers and Industrial Engineering, 2022, 171, 108428.	6.3	36
788	The economic and environmental impacts of information and communication technology: A state-of-the-art review and prospects. Resources, Conservation and Recycling, 2022, 185, 106477.	10.8	16
789	Industry 4.0 technologies: Empirical impacts and decision framework. Production and Operations Management, 0, , .	3.8	8
790	Impact of Additive Manufacturing in SMEs. Lecture Notes in Mechanical Engineering, 2023, , 103-111.	0.4	1
791	Key performance indicator based dynamic decision-making framework for sustainable Industry 4.0 implementation risks evaluation: reference to the Indian manufacturing industries. Annals of Operations Research, 2022, 318, 189-249.	4.1	9
792	ARTIRILMIÄŽ GERÄŦEKLÄ°K TEKNOLOJÄ°SÄ°NÄ°N KULLANIM DURUMUNUN BÄ°BLÄ°YOMETRÄ°K ANALÄ°Z Ä°LE Ä°NCELENMEÄ° VE ARAÄŽTIRMACILARA Ä°NERÄ°LER. Pamukkale University Journal of Social Sciences Institute, 0, , .	0.0	2
793	Latency-Aware Function Placement, Routing, and Scheduling in TSN-based Industrial Networks. , 2022, , .		6

#	ARTICLE	IF	CITATIONS
794	Cloud-based Collaborative Learning (CCL) for the Automated Condition Monitoring of Wind Farms. , 2022, , .		3
795	The development of ethically informed standards for intelligent monitoring systems of electric machines. , 2022, , .		1
796	Implementation of Industry 4.0 Enabling Technologies from Smart Manufacturing Perspective. Journal of Industrial Integration and Management, 0, , .	4.8	5
797	Teaching and learning of industry 4.0: expectations, drivers, and barriers from a knowledge management perspective. Knowledge Management Research and Practice, 2023, 21, 876-891.	4.1	1
798	How industrial maintenance managers perceive socio-technical changes in leadership in the Industry 4.0 context. International Journal of Production Research, 2023, 61, 5282-5301.	7.5	10
799	Industry 4.0: what is the relationship between manufacturing strategies, critical success factors and technology adoption?. Journal of Manufacturing Technology Management, 2022, 33, 1407-1428.	6.4	5
800	Digital twin implementation for performance improvement in process industries- A case study of food processing company. International Journal of Production Research, 2023, 61, 8343-8365.	7.5	9
801	Supply chain innovation announcements and shareholder value under industries 4.0 and 5.0: evidence from China. Industrial Management and Data Systems, 2022, 122, 1909-1937.	3.7	13
802	Risk Analysis of DNP3 Attacks. , 2022, , .		3
803	The Impact Factors of Industry 4.0 on ESG in the Energy Sector. Sustainability, 2022, 14, 9198.	3.2	21
804	Challenges facing by manufacturing industries towards implementation of industry 4.0: an empirical research. International Journal on Interactive Design and Manufacturing, 2022, 16, 1371-1383.	2.2	8
805	Improved root cause analysis supporting resilient production systems. Journal of Manufacturing Systems, 2022, 64, 468-478.	13.9	8
806	Scientific mapping of digital transformation strategy research studies in the Industry 4.0: a bibliometric analysis. Nankai Business Review International, 2023, 14, 3-34.	1.0	3
807	Impacts of Industry 4.0 on industrial employment in Germany: A comparison of industrial workers's expectations and experiences from two surveys in 2014 and 2020. Production and Manufacturing Research, 2022, 10, 583-605.	1.5	3
808	Introductory Chapter: Intelligent Approach to Future Man - Machine Interaction. , 0, , .		0
809	4.0 technologies in city logistics: an empirical investigation of contextual factors. Operations Management Research, 2023, 16, 345-362.	8.5	10
810	Market orientation and SME performance: Moderating role of IoT and mediating role of creativity. Journal of Small Business Management, 2024, 62, 938-965.	4.8	7
811	Using blockchain for global governance: past, present and future. South Asian Journal of Business Studies, 2023, 12, 321-344.	1.3	6

#	ARTICLE	IF	CITATIONS
812	Transformation of Industry Ecosystems in Cities and Regions: A Generic Pathway for Smart and Green Transition. Sustainability, 2022, 14, 9694.	3.2	4
813	Digital orientation, digital maturity, and digital intensity: determinants of financial success in digital transformation settings. International Journal of Operations and Production Management, 2022, 42, 274-298.	5.9	40
814	The Effect of Changes in Settings from Multiple Filling Points to a Single Filling Point of an Industry 4.0-Based Yogurt Filling Machine. Processes, 2022, 10, 1642.	2.8	4
815	To digitalize or not? Navigating and merging human- and technology perspectives in production planning and control. International Journal of Advanced Manufacturing Technology, 2022, 122, 4365-4373.	3.0	4
816	Digital supply chain research trends: a systematic review and a maturity model for adoption. Benchmarking, 2023, 30, 3040-3066.	4.6	14
817	Towards the smart and sustainable transformation of Reverse Logistics 4.0: a conceptualization and research agenda. Environmental Science and Pollution Research, 2022, 29, 69275-69293.	5.3	15
818	Enhancing Remote Industrial Training Experiences with Asymmetric Virtual Reality: Experiences, Tools and Guidelines. Applied Sciences (Switzerland), 2022, 12, 7745.	2.5	2
819	Extended reality applications in industry 4.0. "A systematic literature review. Telematics and Informatics, 2022, 73, 101863.	5.8	33
820	Does Generation Matter for the Use of I4.0 Technologies? [*], 2022, , 97-120.		0
821	Utilizing landfill gas (LFG) to electrify digital data centers in China for accelerating energy transition in Industry 4.0 era. Journal of Cleaner Production, 2022, 369, 133297.	9.3	33
822	Multichannel digital service delivery and service ecosystems: The role of data integration within Smart Product-Service Systems. Technological Forecasting and Social Change, 2022, 183, 121894.	11.6	13
823	Does industrial robot application promote green technology innovation in the manufacturing industry?. Technological Forecasting and Social Change, 2022, 183, 121893.	11.6	101
824	Assessing to what extent smart manufacturing builds on lean principles. International Journal of Production Economics, 2022, 253, 108599.	8.9	12
825	Digital technology-enabled dynamic capabilities and their impacts on firm performance: Evidence from the COVID-19 pandemic. Information and Management, 2022, 59, 103689.	6.5	44
826	Food quality 4.0: From traditional approaches to digitalized automated analysis. Journal of Food Engineering, 2023, 337, 111216.	5.2	35
827	Production scheduling in Industry 4.0: Morphological analysis of the literature and future research agenda. Journal of Manufacturing Systems, 2022, 65, 33-43.	13.9	5
828	Digital supply chain blueprint via a systematic literature review. Technological Forecasting and Social Change, 2022, 184, 121976.	11.6	8
829	Systems-based approach to contemporary business management: An enabler of business sustainability in a context of industry 4.0, circular economy, competitiveness and diverse stakeholders. Journal of Cleaner Production, 2022, 373, 133819.	9.3	29

#	ARTICLE	IF	CITATIONS
830	Adopting net-zero in emerging economies. Journal of Environmental Management, 2022, 321, 115978.	7.8	12
831	Identifying the Dynamics of Intangible Resources for Industry 4.0 Adoption Process. IEEE Access, 2022, 10, 101029-101041.	4.2	2
832	Application of Blockchain Innovative Technology in Logistics and Supply Chain Management: A New Paradigm for Future Logistics. Progress in IS, 2022, , 81-96.	0.6	0
833	Digital Transformation in the Engineering Research Area: Scientific Performance and Strategic Themes. IFIP Advances in Information and Communication Technology, 2022, , 196-204.	0.7	1
834	Digital Technologies and Eco-Innovation. Evidence of the Twin Transition from Italian Firms. SSRN Electronic Journal, 0, , .	0.4	3
835	Offering Wind Farms: Types of Service and Their Characteristics. Springer Proceedings in Mathematics and Statistics, 2022, , 171-179.	0.2	1
836	The Selection of Industry 4.0 Technologies Through Bayesian Networks: An Operational Perspective. IEEE Transactions on Engineering Management, 2024, 71, 2921-2936.	3.5	5
837	Involvement of smart technologies in an advanced supply chain management to solve unreliability under distribution robust approach. AIMS Environmental Science, 2022, 9, 461-492.	1.4	7
838	The Impact of Industry 4.0 on the Automotive Business Models: A Successful Transition Through an Integrated System-Engineering and Strategic Perspective. SSRN Electronic Journal, 0, , .	0.4	0
839	Development of Knowledge Capability Model for Industry 4.0: A Thai SMEs Perspective. Lecture Notes in Networks and Systems, 2022, , 153-167.	0.7	0
840	Maturidade Digital Na Indústria Transformadora Do Têxtil E Seta. E3, 2022, 8, .	0.1	0
841	Toward a Collaborative Sensor Network Integration for SMEs' Zero-Defect Manufacturing. IFIP Advances in Information and Communication Technology, 2022, , 31-43.	0.7	1
842	The Moderated Mediating Effect of Industry 4.0 Capability, Knowledge Management Capability, and Market Uncertainty on BMI. SSRN Electronic Journal, 0, , .	0.4	0
843	Digital Servitization in the Manufacturing Sector: Survey Preliminary Results. IFIP Advances in Information and Communication Technology, 2022, , 310-320.	0.7	4
844	Edge Cloud based Visual Inspection for Automatic Quality Assurance in Production. , 2022, , .		2
845	Myths and facts of industry 4.0. International Journal of Production Economics, 2023, 255, 108660.	8.9	9
846	Blockchain-Based Industrial Internet of Things for the Integration of Industrial Process Automation Systems. , 2022, , 986-1009.		0
847	Prioritising enabling factors of Internet of things (IoT) adoption in digital supply chain. International Journal of Productivity and Performance Management, 2023, 72, 3095-3118.	3.7	2

#	ARTICLE	IF	CITATIONS
848	Smart green supply chain management: a configurational approach to enhance green performance through digital transformation. Supply Chain Management, 2022, 27, 147-176.	6.4	48
849	IoT and Machine Learning-Based Smart Automation System for Industry 4.0 Using Robotics and Sensors. Journal of Nanomaterials, 2022, 2022, 1-6.	2.7	6
850	Opportunities of the Technological Trends Linked to Industry 4.0 for Achieve Sustainable Manufacturing Objectives. Sustainability, 2022, 14, 11118.	3.2	12
851	A human-centred workstation in industry 4.0 for balancing the industrial productivity and human well-being. International Journal of Industrial Ergonomics, 2022, 91, 103355.	2.6	4
852	How does industrial convergence affect regional high-quality development? Evidence from China. Journal of the Asia Pacific Economy, 0, , 1-34.	1.7	5
853	Unveiling the relation between the challenges and benefits of operational excellence and industry 4.0: a hybrid fuzzy decision-making approach. TQM Journal, 2024, 36, 51-70.	3.3	3
854	The Role of Industry 4.0 Technologies in Manufacturing Sustainability Assessment. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2023, 145, .	2.2	5
855	Exploring the status of the human operator in Industry 4.0: A systematic review. Frontiers in Psychology, 0, 13, .	2.1	7
856	Effects of digitization on enterprise growth performance: Mediating role of strategic change and moderating role of dynamic capability. Managerial and Decision Economics, 2023, 44, 1040-1053.	2.5	6
857	Drivers and outcomes of circular economy implementation: evidence from China. Industrial Management and Data Systems, 2023, 123, 1178-1197.	3.7	8
858	How will artificial intelligence and Industry 4.0 emerging technologies transform operations management?. Production and Operations Management, 2022, 31, 4475-4487.	3.8	41
859	Frontiers and laggards: Which firms benefit from adopting advanced digital technologies?. Managerial and Decision Economics, 0, , .	2.5	0
860	Digital transformation: A review and research agenda. European Management Journal, 2023, 41, 821-844.	5.1	37
861	Towards industry 5.0: A multi-objective job rotation model for an inclusive workforce. International Journal of Production Economics, 2022, 250, 108619.	8.9	33
862	Antecedents and consequents of industry 4.0 adoption using technology, organization and environment (TOE) framework: A meta-analysis. Annals of Operations Research, 2023, 322, 101-124.	4.1	16
863	Visual Management Requirements to Support Design Planning and Control within Digital Contexts. Sustainability, 2022, 14, 10989.	3.2	1
864	Benefits, challenges, critical success factors and motivations of Quality 4.0 – A qualitative global study. Total Quality Management and Business Excellence, 2023, 34, 827-846.	3.8	13
865	Industry 4.0 Implementation Framework for the Composite Manufacturing Industry. Journal of Composites Science, 2022, 6, 258.	3.0	3

#	ARTICLE	IF	CITATIONS
866	Towards a domain-specific information architecture enabling the investigation and optimization of flexible production systems by utilizing artificial intelligence. International Journal of Advanced Manufacturing Technology, 2022, 123, 49-81.	3.0	3
867	Cyberphysicality: Toward a Conceptual Framework for Studying the Fourth Industrial Revolution and its Implications on Business, Communication and Learning. Studies in Systems, Decision and Control, 2023, , 721-736.	1.0	0
868	Individual Environmental Risk Assessment and Management in Industry 4.0: An IoT-Based Model. Applied System Innovation, 2022, 5, 88.	4.6	7
869	Adoption of Industry 4.0 technologies by organizations: a maturity levels perspective. Annals of Operations Research, 0, , .	4.1	14
870	Prioritizing the barriers of green smart manufacturing using AHP in implementing Industry 4.0: a case from Indian automotive industry. TQM Journal, 2024, 36, 71-89.	3.3	6
871	Being digital and flexible to navigate the storm: How digital transformation enhances supply chain flexibility in turbulent environments. International Journal of Production Economics, 2022, 250, 108668.	8.9	25
872	How is extended reality bridging human and cyber-physical systems in the IoT-empowered logistics and supply chain management?. Internet of Things (Netherlands), 2022, 20, 100623.	7.7	15
873	Scrutinizing state-of-the-art I4.0 technologies toward sustainable products development under fuzzy environment. Journal of Cleaner Production, 2022, 377, 134327.	9.3	14
875	How to apply the ERP model for Smart Mining?. MATEC Web of Conferences, 2022, 368, 01015.	0.2	1
876	Teaching Digital Innovation Processes for Services in Higher Education. Procedia Computer Science, 2022, 207, 3469-3478.	2.0	2
877	Adoption of Advanced Technologies in Industrial Clusters. A Study in Latin American Industries. IFAC-PapersOnLine, 2022, 55, 1846-1851.	0.9	2
878	Managerial Practices for the Digital Transformation of Manufacturers. Digital, 2022, 2, 463-483.	2.2	4
879	An Overview of Human-Robot Collaboration in Smart Manufacturing. , 2022, , .		6
880	Industry 4.0 - a revolution requiring technology and national industrial development strategies. Russian Journal of Management, 2022, 10, 56-60.	0.1	0
881	Towards Lean Automation in Construction”Exploring Barriers to Implementing Automation in Prefabrication. Sustainability, 2022, 14, 12944.	3.2	7
882	Digitalization of manufacturing for implanting value, configuring circularity and achieving sustainability. Journal of Advances in Management Research, 2023, 20, 116-139.	3.0	8
883	Modeling and Analysis of Industry 4.0 Adoption Challenges in the Manufacturing Industry. Processes, 2022, 10, 2150.	2.8	9
884	Resources and capabilities for Industry 4.0 implementation: evidence from proactive Portuguese SMEs. Journal of Manufacturing Technology Management, 2023, 34, 25-43.	6.4	6

#	ARTICLE	IF	CITATIONS
885	Machine learning techniques in additive manufacturing: a state of the art review on design, processes and production control. Journal of Intelligent Manufacturing, 2023, 34, 21-55.	7.3	41
886	Role of human factors in cloud manufacturing adoption across manufacturing micro, small and medium enterprises. International Journal of Computer Integrated Manufacturing, 2023, 36, 611-633.	4.6	1
887	Education Sustainability for Intelligent Manufacturing in the Context of the New Generation of Artificial Intelligence. Sustainability, 2022, 14, 14148.	3.2	3
888	Novel Technique for Design and Manufacture of Alternating Gradient Composite Structure of Aluminum Alloys Using Solid State Additive Manufacturing Technique. Materials, 2022, 15, 7369.	2.9	3
889	Productivity and improvement of logistics processes in the company manufacturing vehicle semi-trailers – Case study. Production Engineering Archives, 2022, 28, 309-318.	2.4	2
890	Can economic growth and carbon emissions reduction be owned: evidence from the convergence of digital services and manufacturing in China. Environmental Science and Pollution Research, 2023, 30, 20415-20430.	5.3	4
891	Digital supply chain transformation: effect of firm's knowledge creation capabilities under COVID-19 supply chain disruption risk. Operations Management Research, 2023, 16, 1003-1018.	8.5	17
892	Software-Defined Network-Based Energy-Aware Routing Method for Wireless Sensor Networks in Industry 4.0. Applied Sciences (Switzerland), 2022, 12, 10073.	2.5	3
893	The National R&D Landscape of Smart Manufacturing: A Topic Portfolio and Innovation Actors-wise Characteristics. Journal of Korean Institute of Industrial Engineers, 2022, 48, 528-537.	0.1	0
894	Investigation of the Industry 4.0 Technologies Adoption Effect on Circular Economy. Sustainability, 2022, 14, 12815.	3.2	2
895	The Digital Transformation. SpringerBriefs in Business, 2023, , 1-26.	0.3	1
896	The Impact of New Energy Enterprises' Digital Transformation on Their Total Factor Productivity: Empirical Evidence from China. Sustainability, 2022, 14, 13928.	3.2	14
897	Contactless Hospitality Technology in Post-COVID-19 Era: Future Research Clusters. , 2023, , 179-188.		1
898	Total productive maintenance and Industry 4.0 in a sustainability context: exploring the mediating effect of circular economy. International Journal of Logistics Management, 2023, 34, 818-846.	6.6	6
899	Measuring Using Disruptive Technology in the Supply Chain Context: Scale Development and Validation. Journal of Theoretical and Applied Electronic Commerce Research, 2022, 17, 1336-1360.	5.7	1
900	A home office megátrendek és a pandémia hatásainak vizsgálata a szisztematikus irodalomlemezés módszerével. Vezetéstudomány / Budapest Management Review, 2022, , 15-27.	0.5	1
901	Modeling the impact of industry 4.0 base technologies on the development of organizational learning capabilities. Operations Management Research, 0, , .	8.5	3
902	Manufacturing strategy 4.0: a framework to usher towards industry 4.0 implementation for digital transformation. Industrial Management and Data Systems, 2023, 123, 10-40.	3.7	9

#	ARTICLE	IF	CITATIONS
903	Designing business models for Industry 4.0 technologies provision: Changes in business dimensions through digital transformation. Technological Forecasting and Social Change, 2022, 185, 122078.	11.6	14
904	Investigating potential interventions on disruptive impacts of Industry 4.0 technologies in circular supply chains: Evidence from SMEs of an emerging economy. Computers and Industrial Engineering, 2022, 174, 108753.	6.3	12
906	Adoption paths of digital transformation in manufacturing SME. International Journal of Production Economics, 2023, 255, 108675.	8.9	29
907	Knowledge-sharing across supply chain actors in adopting Industry 4.0 technologies: An exploratory case study within the automotive industry. Technological Forecasting and Social Change, 2023, 186, 122118.	11.6	9
908	Treble innovation firms: Antecedents, outcomes, and enhancing factors. International Journal of Production Economics, 2023, 255, 108682.	8.9	16
909	Role of Industry 4.0 in Maintaining Sustainable Production and Services. , 2022, , 425-451.		0
910	NoSneaky: A Blockchain-Based Execution Integrity Protection Scheme in Industry 4.0. IEEE Transactions on Industrial Informatics, 2023, 19, 7957-7965.	11.3	2
911	Digital transformation and the circular economy: Creating a competitive advantage from the transition towards Net Zero Manufacturing. Resources, Conservation and Recycling, 2023, 189, 106756.	10.8	36
912	Simulation driven approach to study the feasibility of involving Collaborative Robot for windshield loading process in a car manufacturing plant. , 2021, , .		0
913	Industry 4.0 tools in the industrial sector: A Systematic Literature Review. , 2022, , .		0
914	Industry 4.0 implementation challenges in small- and medium-sized enterprises: an approach integrating interval type-2 fuzzy BWM and DEMATEL. Soft Computing, 2023, 27, 169-186.	3.6	6
915	Lean and agile supply chain strategies: the role of mature and emerging information technologies. International Journal of Logistics Management, 2022, 33, 221-243.	6.6	8
916	In Search of Industry 4.0 and Logistics 4.0 in Small-Medium Enterprises – A State of the Art Review. Energies, 2022, 15, 8595.	3.1	6
917	Exploring Driving Factors of Digital Transformation among Local Governments: Foundations for Smart City Construction in China. Sustainability, 2022, 14, 14980.	3.2	14
918	Critical Barriers to Industry 4.0 Adoption in Manufacturing Organizations and Their Mitigation Strategies. Journal of Manufacturing and Materials Processing, 2022, 6, 136.	2.2	8
919	The impact of digital transformation on corporate sustainability- new evidence from Chinese listed companies. Frontiers in Environmental Science, 0, 10, .	3.3	21
920	Adoption of modern technologies for implementing industry 4.0: an integrated MCDM approach. Benchmarking, 2023, 30, 3753-3790.	4.6	11
921	The integration of Industry 4.0 and Lean Management: a systematic review and constituting elements perspective. Total Quality Management and Business Excellence, 2023, 34, 1052-1069.	3.8	6

#	ARTICLE	IF	CITATIONS
922	Implementing industry 4.0 for flexibility, quality, and productivity improvement: technology arrangements for different purposes. International Journal of Production Research, 2023, 61, 7001-7026.	7.5	7
923	The impact of Industry 4.0 on bottleneck analysis in production and manufacturing: Current trends and future perspectives. Computers and Industrial Engineering, 2022, 174, 108801.	6.3	19
924	The interplay between data-driven decision-making and digitalization: A firm-level survey of the Italian and U.S. automotive industries. International Journal of Production Economics, 2023, 255, 108718.	8.9	11
925	Digital transformation and European small and medium enterprises (SMEs): A comparative study using digital economy and society index data. International Journal of Information Management, 2023, 68, 102594.	17.5	62
926	Adoption of Industry 4.0 technologies: an analysis of small and medium-sized companies in the state of São Paulo, Brazil. Gestão & Produção, 0, 29, .	0.5	0
927	Evaluation of industrial automation acceptance model for manufacturing sector towards adoption of industry 4.0. AIP Conference Proceedings, 2022, , .	0.4	0
928	Vaccine supply chain coordination using blockchain and artificial intelligence technologies. Computers and Industrial Engineering, 2023, 175, 108885.	6.3	10
929	Artificial Intelligence and Blockchain Technology in the 4.0 IR Metaverse Era. Advances in Web Technologies and Engineering Book Series, 2023, , 13-33.	0.4	1
930	Green logistics driven circular practices adoption in industry 4.0 Era: A moderating effect of institution pressure and supply chain flexibility. Journal of Cleaner Production, 2023, 383, 135284.	9.3	25
931	The role of Industry 4.0 in developing resilience for manufacturing companies during COVID-19. International Journal of Production Economics, 2023, 256, 108728.	8.9	29
932	Strategic orientation towards digitization to improve supermarket loyalty in an omnichannel context. Journal of Business Research, 2023, 156, 113475.	10.2	16
933	Meta-inventory. Robotics and Computer-Integrated Manufacturing, 2023, 81, 102503.	9.9	3
934	Expectation Measurement of Industry 4.0 Technology in the Indonesian Manufacturing Industry. , 2021, , .		1
935	TEMAS DE DESTAQUE NA PESQUISA EM TRANSFORMAÇÃO DIGITAL: EVIDÊNCIAS DE ESTUDO BIBLIOMÉTRICO E ANÁLISE DE CONTEÚDO. RAE Revista De Administracao De Empresas, 2022, 62, .	0.3	0
936	FEATURED TOPICS IN RESEARCH ON DIGITAL TRANSFORMATION: EVIDENCE FROM A BIBLIOMETRIC STUDY AND CONTENT ANALYSIS. RAE Revista De Administracao De Empresas, 2022, 62, .	0.3	1
937	Migrating legacy production lines into an Industry 4.0 ecosystem. , 2022, , .		0
938	An Online System of Detecting Anomalies and Estimating Cycle Times for Production Lines. , 2022, , .		0
939	Implementation of elements of the Industry 4.0 concept and its impact on employees in line with Human Resource Management in industrial organisations in Slovakia. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
940	Operational effectiveness in post-pandemic times: Examining the roles of digital technologies, talent management and employee engagement in manufacturing SMEs. <i>Production Planning and Control</i> , 0, , 1-14.	8.8	4
941	Coupling Coordination Measurement and Evaluation of Urban Digitalization and Green Development in China. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 15379.	2.6	2
942	Learning curve applications in Industry 4.0: a scoping review. <i>Production Planning and Control</i> , 0, , 1-13.	8.8	3
943	STEP AP 242 file-based automatic tolerance analysis of mechanical assembly using unified Jacobian Torsor Model and direct linearization method. <i>International Journal of Computer Integrated Manufacturing</i> , 0, , 1-33.	4.6	0
944	Adoption of emerging technologies and growth of manufacturing firms: the importance of technology types and corporate entrepreneurship. <i>Technology Analysis and Strategic Management</i> , 0, , 1-13.	3.5	3
945	The transformation of supply chain collaboration and design through Industry 4.0. <i>International Journal of Logistics Research and Applications</i> , 0, , 1-29.	8.8	6
946	A multi-stage stochastic programming model for adaptive biomass processing operation under uncertainty. <i>Energy Systems</i> , 0, , .	3.0	0
947	Incentivisation of digital technology takers in the construction industry. <i>Engineering, Construction and Architectural Management</i> , 2022, ahead-of-print, .	3.1	13
948	Enhancing the Logistics 4.0 Firms through Information Technology. <i>Sustainability</i> , 2022, 14, 15860.	3.2	1
949	The Link Between Industry 4.0 and Sustainable Manufacturing: An Analysis of the Results of a Survey of Manufacturing Enterprises. <i>Voprosy Statistiki</i> , 2022, 29, 44-58.	0.5	0
950	Toward Pharma 4.0 in Drug Discovery. , 2023, , 221-238.		3
951	Effect of Industry 4.0 technologies adoption on the learning process of workers in a quality inspection operation. <i>International Journal of Production Research</i> , 2023, 61, 7592-7607.	7.5	6
952	The evolution of operatorsâ€™ role in production: how Lean Manufacturing and Industry 4.0 affect Job Enlargement and Job Enrichment. <i>International Journal of Production Research</i> , 2023, 61, 8493-8511.	7.5	3
953	Assessing the Industry 4.0 European divide through the country/industry dichotomy. <i>Computers and Industrial Engineering</i> , 2023, 176, 108925.	6.3	4
954	A contingency-configurational view of purchasing operations: The mediating role between supplier relationship and firm performance. <i>Journal of Purchasing and Supply Management</i> , 2023, 29, 100815.	5.7	1
955	Adoption of Industry 4.0 in the TIC Industry: Systematic Review. , 2022, , .		1
956	Smart Factory Framework. , 2023, , 33-229.		0
957	Modelling of Determinants of Logistics 4.0 Adoption: Insights from Developing Countries. <i>Machines</i> , 2022, 10, 1242.	2.2	2

#	ARTICLE	IF	CITATIONS
958	Harder, better, faster, stronger: digitalisation and employee well-being in the operations workforce. Production Planning and Control, 0, , 1-18.	8.8	3
959	Wireless Communications for Smart Manufacturing and Industrial IoT: Existing Technologies, 5G and Beyond. Sensors, 2023, 23, 73.	3.8	5
960	The Impact of Industry 4.0 Concepts and Technologies on Different Phases of Construction Project Lifecycle: A Literature Review. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2023, 47, 1293-1319.	1.9	5
961	Industry 4.0 transformation: factors affecting adoption and impacts on companies. International Journal of Industrial Engineering and Operations Management, 2022, 4, 63-89.	1.2	2
962	Assessment of Smart Transformation in the Manufacturing Process of Aerospace Components Through a Data-Driven Approach. Global Journal of Flexible Systems Management, 2023, 24, 67-86.	6.3	3
963	Design and 3D Manufacturing of an Improved Heliostatic Illuminator. Inventions, 2022, 7, 127.	2.5	2
964	Paradoxes on sustainable performance in Dhaka's enterprising community: a moderated-mediation evidence from textile manufacturing SMEs. Journal of Enterprising Communities, 2024, 18, 145-173.	2.5	5
965	Smart Factory Navigator. , 2023, , 7-31.		1
966	Big Data Analytics in Industry 4.0. , 2023, , 171-199.		0
967	New Industrial Work: Personalised Job Roles, Smooth Human-Machine Teamwork and Support for Well-Being at Work. , 2023, , 271-301.		0
968	Digital Transformation Strategy and Environmental Performance: A Case Study. International Journal of Computers, Communications and Control, 2022, 17, .	1.8	4
969	Evaluation of organizational variables of quality 4.0 in digital transformation: the study of an Indian manufacturing company. TQM Journal, 2024, 36, 178-207.	3.3	6
970	How do digital technologies improve supply chain resilience in the COVID-19 pandemic? Evidence from Chinese manufacturing firms. Frontiers of Engineering Management, 2023, 10, 39-50.	6.1	18
971	Digitalisation-induced performance improvement: Don't take it for granted!. Acta Oeconomica, 2022, 72, 457-475.	0.5	3
972	Digital transformation trends in service industries. Service Business, 2023, 17, 11-36.	4.2	23
973	Effects of supply chain transparency, alignment, adaptability, and agility on blockchain adoption in supply chain among SMEs. Computers and Industrial Engineering, 2023, 176, 108931.	6.3	26
974	Effect of Industry 4.0 on the relationship between socio-technical practices and workers' performance. Journal of Manufacturing Technology Management, 2023, 34, 44-66.	6.4	9
975	The Role of Enabling Technologies from Industry 4.0 in the Formulation of Public Policies for Smart Cities. Springer Proceedings in Business and Economics, 2023, , 119-129.	0.3	0

#	ARTICLE	IF	CITATIONS
976	Lean and Industry 4.0: A bibliometric analysis, opportunities for future research directions. Quality Management Journal, 2023, 30, 41-63.	1.4	6
977	Industry 4.0 technology capabilities, resilience and incremental innovation in Australian manufacturing firms: a serial mediation model. Supply Chain Management, 2023, 28, 760-772.	6.4	14
978	An Analysis of the Literature on Industry 4.0 and the Major Technologies. , 2023, , 19-39.		0
979	A Study on Mathematical Models for Transforming the Job-Shop Layout Into Flow-Shop Layout. , 2023, , 153-164.		0
981	Digitalizáció és a 1/4zleti teljesítmény " hazai feldolgozóipari tapasztalatok. Keresz gazdasági Szemle, 2023, 70, 82-102.	0.4	3
982	Artificial intelligence algorithms for prediction of the ultimate tensile strength of the friction stir welded magnesium alloys. International Journal on Interactive Design and Manufacturing, 0, , .	2.2	3
983	Lessons-learnt on articulating and evaluating I4.0 developments at SME manufacturing companies. Procedia Computer Science, 2023, 217, 238-247.	2.0	2
984	The Relationship between International Trade in Industry 4.0 Products and National-Level Sustainability Performance: An Empirical Investigation. Sustainability, 2023, 15, 1262.	3.2	1
985	Bibliometric Analysis of Fourth Industrial Revolution Applied to Material Sciences Based on Web of Science and Scopus Databases from 2017 to 2021. ChemEngineering, 2023, 7, 2.	2.4	8
986	How to improve firm performance? " The role of production capabilities and routines. International Journal of Operations and Production Management, 2023, 43, 1-26.	5.9	6
987	Industry 4.0: critical investigations and synthesis of key findings. Management Review Quarterly, 0, , .	9.2	11
988	Industry 4.0 Maturity and Readiness- A case of a Steel Manufacturing Organization. Procedia Computer Science, 2023, 217, 614-619.	2.0	6
989	The impact of using digital technologies on supply chain resilience and robustness: the role of memory under the covid-19 outbreak. Supply Chain Management, 2023, 28, 825-842.	6.4	9
990	Analysis of critical success factors for successful integration of lean six sigma and Industry 4.0 for organizational excellence. TQM Journal, 2024, 36, 208-243.	3.3	10
991	Smart working and base technologies in corporate performance: New directions in emerging firms. Asia Pacific Management Review, 2023, 28, 358-369.	4.4	2
992	The determinants of export performance in the digital transformation era: empirical evidence from manufacturing firms. International Journal of Emerging Markets, 2023, ahead-of-print, .	2.2	7
993	Proposing a Small-Scale Digital Twin Implementation Framework for Manufacturing from a Systems Perspective. Systems, 2023, 11, 41.	2.3	5
994	Assessment of Industry 4.0 Adoption for Sustainability in Small and Medium Enterprises: A Fermatean Approach. , 2023, , 187-212.		3

#	ARTICLE	IF	CITATIONS
995	Adoption of industry 4.0 evidence in emerging economy: Behavioral reasoning theory perspective. Technological Forecasting and Social Change, 2023, 188, 122317.	11.6	22
996	Non-hierarchical work-in-progress control in manufacturing. International Journal of Production Economics, 2023, 257, 108768.	8.9	1
997	PIS: IoT & Industry 4.0 Challenges. , 2023, , 123-155.		0
998	Application of Digital Twin in Smart Battery Electric Vehicle: Industry 4.0. , 2022, , .		4
999	The Confluence of Lean Manufacturing and Industry 4.0: A Literature Review. , 2022, , .		1
1000	Sociological Dynamics of Technological Change in the Context of Society 5.0. Comparative Sociology, 2022, 21, 700-732.	0.5	0
1001	A Taxonomy Study on Key Dimensions Which May Help SMEs for Industry 4.0 Implementation. Journal of Industrial Integration and Management, 0, , 1-44.	4.8	1
1002	Exploitation, Exploration, or Ambidextrousness? An Analysis of the Necessary Conditions for the Success of Digital Servitisation. Sustainability, 2023, 15, 324.	3.2	2
1003	Sustainability of 3D printing in industry 4.0. , 2023, , 229-251.		1
1004	Striving to Achieve United Nations Sustainable Development Goals of Taiwanese SMEs by Adopting Industry 4.0. Sustainability, 2023, 15, 2111.	3.2	2
1005	Role of Organizational Learning on Industry 4.0 Awareness and Adoption for Business Performance Improvement. IEEE Transactions on Engineering Management, 2024, 71, 4904-4917.	3.5	3
1006	Supply chain 4.0. rewriting the rules. , 2023, , 63-83.		0
1007	A systematic review of the integration of Industry 4.0 with quality-related operational excellence methodologies. Quality Management Journal, 2023, 30, 3-15.	1.4	5
1008	Servitization 4.0 as a Trigger for Sustainable Business: Evidence from Automotive Digital Supply Chain. Sustainability, 2023, 15, 2217.	3.2	15
1009	Modelling and Managing "Station-Sequence" Parts Feeding in the I4.0 Era: A Simulation Approach for In-Plant Logistics. Applied Sciences (Switzerland), 2023, 13, 1725.	2.5	0
1010	The role of digital transformation in improving collaborative planning to address unexpected crisis. Journal of Industrial and Production Engineering, 2023, 40, 223-232.	3.1	4
1011	Role of leadership in the digitalisation of manufacturing organisations. Journal of Manufacturing Technology Management, 2023, 34, 315-336.	6.4	4
1012	Linking competitive priorities, smart manufacturing advancement and organizational microfoundations. International Journal of Operations and Production Management, 2023, 43, 1387-1408.	5.9	4

#	ARTICLE	IF	CITATIONS
1013	Digitalization and Data Driven Logistics at Dutch Logistic SMEs. Lecture Notes on Data Engineering and Communications Technologies, 2023, , 68-78.	0.7	0
1014	Dynamic Computer-Aided Process Control with Computer Vision for Industry 4.0. Lecture Notes in Mechanical Engineering, 2023, , 510-518.	0.4	0
1015	A Scale-Free Classification Model for Defect Diagnosis in the Pick and Place Machine. Lecture Notes in Mechanical Engineering, 2023, , 71-79.	0.4	0
1016	Organizational culture and Industry 4.0 design principles: an empirical study on their relationship. Production Planning and Control, 0, , 1-15.	8.8	3
1018	To Trust or Not to Trust Cybots: Ethical Dilemmas in the Posthuman Organization. , 2023, , 189-208.		4
1019	Does intelligent transformation trigger technology innovation in China's NEV enterprises?. Energy, 2023, 270, 126823.	8.8	3
1020	Digital transformation in asset-intensive organisations: The light and the dark side. Journal of Innovation & Knowledge, 2023, 8, 100335.	14.0	15
1021	IOT Based Predictive Maintenance in Industry 4.0. , 2022, , .		2
1022	Aligning Digitalization and Sustainability: Opportunities and Challenges for Corporate Success and the Achievement of Sustainable Development Goals. Contributions To Management Science, 2023, , 27-38.	0.5	0
1023	Industry 5.0 and human capital. E3S Web of Conferences, 2023, 376, 05053.	0.5	2
1024	Interoperable Digital Twin Solutions for Asset-Heavy Industry. , 2023, , 195-208.		1
1025	How the Tools of Quality 4.0 support the principles of TQC/TQM. , 0, , .		0
1026	Management innovation as an enabler of firm performance in the context of Industry 4.0: a longitudinal multi-source, multi-sector analysis. Innovation: Management, Policy and Practice, 0, , 1-26.	3.9	1
1027	Assessment of digital maturity: the role of resources and capabilities in digital transformation in B2B firms. International Journal of Production Research, 2023, 61, 8043-8061.	7.5	11
1028	The Impact of Industry 4.0 Technologies on Key Performance Indicators for a Resilient Supply Chain 4.0. Sustainability, 2023, 15, 5185.	3.2	18
1029	Factors for the implementation of the circular economy in Big Data environments in service companies in post pandemic times of COVID-19: The case of Colombia. Frontiers in Big Data, 0, 6, .	2.9	0
1030	Assessing the level of digital maturity in the Three Seas Initiative countries. Technological Forecasting and Social Change, 2023, 190, 122462.	11.6	8
1031	Impact of supply chain digitalization on supply chain resilience and performance: A multi-mediation model. International Journal of Production Economics, 2023, 259, 108817.	8.9	43

#	ARTICLE	IF	CITATIONS
1032	Changes and improvements in Industry 5.0: A strategic approach to overcome the challenges of Industry 4.0. , 2023, 1, 100020.		17
1033	A technology assessment and implementation model for evaluating socio-cultural and technical factors for the successful deployment of Logistics 4.0 technologies. Technological Forecasting and Social Change, 2023, 190, 122469.	11.6	5
1034	How can organizations leverage big data to innovate their business models? A systematic literature review. Technovation, 2023, 123, 102713.	7.8	29
1035	When technologies become Industry 4.0 platforms: Defining the role of digital technologies through a boundary-spanning perspective. International Journal of Production Economics, 2023, 260, 108858.	8.9	13
1036	From technology enablers to circular economy: Data-driven understanding of the overview of servitization and productâ€service systems in Industry 4.0. Computers in Industry, 2023, 148, 103908.	9.9	8
1037	Industry 4.0 innovations and their implications: An evaluation from sustainable development perspective. Journal of Cleaner Production, 2023, 405, 137006.	9.3	18
1038	How do external and internal factors drive green innovation practices under the influence of big data analytics capability: Evidence from China. Journal of Cleaner Production, 2023, 404, 136862.	9.3	11
1039	Supply chain governance in the context of industry 4.0: Investigating implications of real-life implementations from a multi-tier perspective. International Journal of Production Economics, 2023, 260, 108862.	8.9	4
1040	Innovation performance in traditional industries: Does proximity to universities matter. Technological Forecasting and Social Change, 2023, 189, 122340.	11.6	3
1041	A review of literature on implementation and operational dimensions of supply chain digitalization: Framework development and future research directions. International Journal of Information Management Data Insights, 2023, 3, 100156.	9.7	4
1042	Prioritization of Industry 4.0 Technologies Based on Diagnosis and Performance Indicators Associated with Lean Manufacturing Under Interoperability Requirements. Lecture Notes in Mechanical Engineering, 2023, , 408-416.	0.4	0
1043	Barriers and opportunities of digital servitization for SMEs: the effect of smart Product-Service System business models. Service Business, 2023, 17, 359-393.	4.2	11
1044	An Empirical Study on Factors Impacting the Adoption of Digital Technologies in Supply Chain Management and What Blockchain Technology Could Do for the Manufacturing Sector of Bangladesh. Information Systems Management, 2023, 40, 371-393.	5.7	4
1045	Implementing industry 4.0 in the manufacturing sector: Circular economy as a societal solution. Computers and Industrial Engineering, 2023, 177, 109072.	6.3	13
1046	Cut the peaches: image segmentation for utility pattern mining in food processing. , 2022, , .		0
1047	Logistics Service Providers and Industry 4.0: A Systematic Literature Review. Logistics, 2023, 7, 11.	4.3	6
1048	Intelligence at the Extreme Edge: A Survey on Reformable TinyML. ACM Computing Surveys, 2023, 55, 1-30.	23.0	13
1049	A Digital Maturity Model for Electronics Manufacturing Firms Toward Servitization with Integrated Approach. , 2023, , 568-593.		0

#	ARTICLE	IF	CITATIONS
1050	Prioritizing the Solutions to Overcome Lean Six Sigma 4.0 Challenges in SMEs: A Contemporary Research Framework to Enhance Business Operations. Sustainability, 2023, 15, 3371.	3.2	1
1051	I4.0I: A New Way to Rank How Involved a Company Is in the Industry 4.0 Era. Future Internet, 2023, 15, 73.	3.8	3
1052	Agility and digitalization: why strategic agility is a success factor for mastering digitalization – Evidence from Industry 4.0 implementations across a supply chain. International Journal of Physical Distribution and Logistics Management, 2023, 53, 660-684.	7.4	5
1053	Mechanisms to develop a business model through the Internet of things: a multiple case study in manufacturing companies. Technology Analysis and Strategic Management, 0, , 1-17.	3.5	2
1054	The titans sustainability and industry 4.0 working for the planet earth. GeSec, 2023, 14, 1953-1965.	0.3	14
1055	Data or Business First? – Manufacturers' Transformation Toward Data-driven Business Models. Schmalenbachs Zeitschrift Fur Betriebswirtschaftliche Forschung, 0, , .	1.6	1
1056	The Implications of Triple Transformation on ESG in the Energy Sector: Fuzzy-Set Qualitative Comparative Analysis (fsQCA) and Structural Equation Modeling (SEM) Findings. Energies, 2023, 16, 2090.	3.1	3
1057	The road to zero emission shipbuilding Industry: A systematic and transdisciplinary approach to modern multi-energy shipyards. Energy Conversion and Management: X, 2023, 18, 100365.	1.6	3
1058	A Framework for Investigating the Adoption of Key Technologies: Presentation of the Methodology and Explorative Analysis of Emerging Practices. IEEE Transactions on Engineering Management, 2024, 71, 3843-3866.	3.5	6
1059	From physical to metaversal events: An exploratory study. Italian Journal of Marketing, 2023, 2023, 119-134.	2.8	2
1060	Supplier selection in the industry 4.0 era by using a fuzzy cognitive map and hesitant fuzzy linguistic VIKOR methodology. Environmental Science and Pollution Research, 2023, 30, 52923-52942.	5.3	9
1061	Challenges in introducing automated guided vehicles in a production facility – interactions between human, technology, and organisation. International Journal of Production Research, 2023, 61, 7809-7829.	7.5	6
1062	Exploration of Circular Economy Enablers Using Fuzzy DEMATEL Approach. Lecture Notes in Mechanical Engineering, 2023, , 685-701.	0.4	0
1063	Agglomeration of the Various Industry 4.0 Perspectives in the Supply Chain Performance Systems. Lecture Notes in Mechanical Engineering, 2023, , 673-684.	0.4	0
1064	The role of artificial intelligence in the procurement process: State of the art and research agenda. Journal of Purchasing and Supply Management, 2023, 29, 100823.	5.7	10
1065	Women entrepreneurship: Mumpreneurs cruising the COVID-19 pandemic in Indonesia. Business and Society Review, 2023, 128, 133-168.	1.7	0
1066	The Readiness of Accounting Departments Management and Implementation of the Industrial Revolution Curriculum 4.0. International Journal of Social Science and Business, 2023, 7, 150-159.	0.2	1
1067	Developing media of virtual laboratory of science: To support as a pioneer of cyber-university. Contemporary Educational Technology, 2023, 15, ep420.	2.4	0

#	ARTICLE	IF	CITATIONS
1068	The growing gap between lean production and digital lean tools. International Journal of Lean Six Sigma, 2023, 14, 1188-1206.	3.3	5
1069	The Relationship between Big Data Analytic-Artificial Intelligence and Environmental Performance: A Moderated Mediated Model of Green Supply Chain Collaboration (GSCC) and Top Management Commitment (TMC). Discrete Dynamics in Nature and Society, 2023, 2023, 1-16.	0.9	5
1070	Exploring paths underlying Industry 4.0 implementation in manufacturing SMEs: a fuzzy-set qualitative comparative analysis. Management Decision, 2023, ahead-of-print, .	3.9	11
1071	Resilience, complexity and digital transformation: three case studies in the valves industry. Journal of Manufacturing Technology Management, 2023, 34, 1-19.	6.4	5
1072	Paradoxes of implementing digital manufacturing systems: A longitudinal study of digital innovation projects for disruptive change. Journal of Product Innovation Management, 2023, 40, 506-529.	9.5	6
1073	New Innovation, Sustainability, and Resilience Challenges in the X.0 Era. Applied System Innovation, 2023, 6, 39.	4.6	1
1074	Analysing the alignment between circular economy and industry 4.0 nexus with industry 5.0 era: An integrative systematic literature review. Sustainable Development, 2023, 31, 2155-2175.	12.5	10
1075	Integration of Lean manufacturing and Industry 4.0: a bibliometric analysis. TQM Journal, 2024, 36, 244-264.	3.3	10
1076	The role of industry 4.0-enabled data-driven shared platform as an enabler of product-service system in the context of circular economy: A systematic literature review and future research directions. Business Strategy and Development, 2023, 6, 275-295.	4.2	8
1077	Guidelines to develop demonstration models on industry 4.0 for engineering training. International Journal of Computer Integrated Manufacturing, 2023, 36, 1465-1481.	4.6	4
1078	Digital transformation, technological innovation, and operational resilience of port firms in case of supply chain disruption. Marine Pollution Bulletin, 2023, 190, 114811.	5.0	16
1079	A Review of Industry 4.0 Maturity Models: Adoption of SMEs in The Manufacturing and Logistics Sectors. Procedia Computer Science, 2023, 219, 236-243.	2.0	4
1080	Smart agriculture and digital twins: Applications and challenges in a vision of sustainability. European Journal of Agronomy, 2023, 146, 126809.	4.1	22
1082	BPMN++: Comprehensive Business Process Modeling for Industrial Internet Application. , 2022, , .		1
1083	Maturity Model for Analysis of Machine Learning Operations in Industry. Lecture Notes on Data Engineering and Communications Technologies, 2023, , 321-328.	0.7	0
1084	An Industry 4.0 readiness model for new technology exploitation. International Journal of Quality and Reliability Management, 2023, 40, 2519-2538.	2.0	2
1085	Identifying the Critical Success Factors of the Digital Transformation. Lecture Notes on Data Engineering and Communications Technologies, 2023, , 77-81.	0.7	0
1086	Lean Manufacturing Powered by IoT: A Bibliometric Analysis of the Emerging Literature. Lecture Notes on Data Engineering and Communications Technologies, 2023, , 171-178.	0.7	0

#	ARTICLE	IF	CITATIONS
1087	La formaci3n del personal de mantenimiento para la industria 4.0. Revista De Ciencias Tecnol3gicas, 2022, 5, 407-418.	0.1	0
1088	Digital transformation in tourism: bibliometric literature review based on machine learning approach. European Journal of Innovation Management, 2023, 26, 177-205.	4.6	15
1089	Integrating preventive and predictive maintenance policies with system dynamics: A decision table approach. Advanced Engineering Informatics, 2023, 56, 101952.	8.0	3
1090	Edge Computing Data Optimization for Smart Quality Management: Industry 5.0 Perspective. Sustainability, 2023, 15, 6032.	3.2	6
1091	Assessing the impact of digitization and servitization of manufacturing firms in the context of carbon emission reduction: Evidence from a microsurvey in China. Energy and Environment, 0, , 0958305X2311674.	4.6	1
1092	Guest editorial: The role of Industry 4.0 in enabling circular economy. Industrial Management and Data Systems, 2023, 123, 1073-1083.	3.7	1
1093	GuardBox: A High-Performance Middlebox Providing Confidentiality and Integrity for Packets. IEEE Transactions on Information Forensics and Security, 2023, 18, 2413-2426.	6.9	1
1094	A hierarchical model for industry 4.0 concepts. Revista De Administracao Mackenzie, 2023, 24, .	0.5	4
1095	Key factors in operational excellence for Industry 4.0: an empirical study and maturity model in emerging countries. Journal of Manufacturing Technology Management, 2023, ahead-of-print, .	6.4	1
1096	Industry 4.0 digital technologies enhancing sustainability: Applications and barriers from the agricultural industry in an emerging economy. Journal of Cleaner Production, 2023, 408, 137208.	9.3	18
1097	Early adopters of Manufacturing-as-a-Service (MaaS): state-of-the-art and deployment models. Journal of Manufacturing Technology Management, 2023, 34, 580.	6.4	3
1098	A Systematic Review of Data Quality in CPS and IoT for Industry 4.0. ACM Computing Surveys, 2023, 55, 1-38.	23.0	2
1099	Smart green supply chain management: a configurational approach for reaching sustainable performance goals and decreasing COVID-19 impact. , 2023, , 211-233.		1
1100	Understanding Digital Transformation challenges: evidence from Brazilian and British manufacturers. , 2023, , 187-210.		0
1101	Stepping stone to smarter supervision: a human-centered multidisciplinary framework. , 2023, , 89-118.		0
1102	Impact of digital input on enterprise green productivity: Micro evidence from the Chinese manufacturing industry. Journal of Cleaner Production, 2023, 414, 137272.	9.3	20
1103	Leveraging Digital Technologies in Logistics 4.0: Insights on Affordances from Intralogistics Processes. Information Systems Frontiers, 2024, 26, 755-774.	6.4	0
1104	Leadership for successful digitalization: A literature review on companies' internal and external aspects of digitalization. , 2023, 2, 100039.		11

#	ARTICLE	IF	CITATIONS
1105	A Systematic Literature Review of Digital Transformation of Manufacturing Enterprises: Bibliometric Analysis and Knowledge Framework. Lecture Notes in Business Information Processing, 2023, , 144-155.	1.0	1
1106	Leveraging on intra- and inter-organizational collaboration in Industry 4.0 adoption for knowledge creation and innovation. European Journal of Innovation Management, 2023, 26, 328-352.	4.6	6
1107	Technological capabilities in the era of the digital economy for integration into cyber-physical systems and the IoT using decision-making approach. Journal of Innovation & Knowledge, 2023, 8, 100356.	14.0	11
1108	Digital Technologiesâ€™ Risks and Opportunities: Case Study of an RFID System. Applied System Innovation, 2023, 6, 54.	4.6	0
1109	Industry 4.0 maturity assessment: a multi-dimensional indicator approach. International Journal of Productivity and Performance Management, 2024, 73, 981-1004.	3.7	3
1110	Automated guided vehicles with a mounted serial manipulator: A systematic literature review. Heliyon, 2023, 9, e15950.	3.2	3
1111	A cooperative coevolutionary algorithm with problem-specific knowledge for energy-efficient scheduling in seru system. Knowledge-Based Systems, 2023, 274, 110663.	7.1	1
1112	Implications of using Industry 4.0 base technologies for lean and agile supply chains and performance. International Journal of Production Economics, 2023, 262, 108916.	8.9	12
1113	An assessment framework for the purchase of 3D CAD software in manufacturing industries. Technological Forecasting and Social Change, 2023, 192, 122573.	11.6	0
1115	Industry 4.0 and Six Sigma: a systematic review of the literature and research agenda proposal. Benchmarking, 2024, 31, 1009-1037.	4.6	3
1116	Conversion of a Manufacturing Lab as a Learning Factory to Educate Factories of the Future Concept. Lecture Notes in Mechanical Engineering, 2023, , 827-835.	0.4	0
1117	Industry 4.0, circular economy and sustainability in the food industry: a literature review. International Journal of Industrial Engineering and Operations Management, 2024, 6, 1-24.	1.2	0
1118	Improving supply chain resilience from the perspective of information processing theory. Journal of Enterprise Information Management, 2023, ahead-of-print, .	7.5	3
1119	How to achieve excellence in the new service development process: the role of innovative culture, market orientation and management support. Economic Research-Ekonomska Istrazivanja, 2023, 36, .	4.7	0
1120	Social Sustainability of Digital Transformation: Empirical Evidence from EU-27 Countries. Administrative Sciences, 2023, 13, 126.	2.9	2
1121	An Efficient Hybrid Deep Learning Model for Denial of Service Detection in Cyber Physical Systems. IEEE Transactions on Network Science and Engineering, 2023, 10, 2419-2428.	6.4	14
1122	The moderating role of emerging technologies on the impact of coronavirus disease 2019 and the performance of construction projects: the case of Pakistan. Journal of Engineering, Design and Technology, 2023, ahead-of-print, .	1.7	1
1123	Small Files Problem Resolution via Hierarchical Clustering Algorithm. Big Data, 0, , .	3.4	1

#	ARTICLE	IF	CITATIONS
1124	Low-cost (Shoestring) digital solution areas for enabling digitalisation in construction SMEs. Computers in Industry, 2023, 150, 103941.	9.9	7
1125	Realization of Forest Internet of Things Using Wireless Network Communication Technology of Low-Power Wide-Area Network. Sensors, 2023, 23, 4809.	3.8	3
1126	Digital technologies and eco-innovation. Evidence of the twin transition from Italian firms. Industry and Innovation, 2023, 30, 766-800.	3.1	5
1127	Antecedent configurations and performance of business models of intelligent manufacturing enterprises. Technological Forecasting and Social Change, 2023, 193, 122550.	11.6	4
1128	Does Digital Technology Promote Green Innovation Performance?. Journal of the Knowledge Economy, 0, , .	4.4	5
1129	Industry-4.0-Enabled Digital Transformation: Prospects, Instruments, Challenges, and Implications for Business Strategies. Sustainability, 2023, 15, 8553.	3.2	7
1130	Open Innovation in Agribusiness: Barriers and Challenges in the Transition to Agriculture 4.0. Sustainability, 2023, 15, 8562.	3.2	14
1131	Estimating the innovation benefits of first-mover and second-mover strategies when micro-businesses adopt artificial intelligence and machine learning. Small Business Economics, 2024, 62, 411-434.	6.7	1
1132	Enterprise ecological niche measurement and competitive effect analysis based on digital business recognition. Technology Analysis and Strategic Management, 0, , 1-16.	3.5	1
1133	Construction and Empirical Analysis of the Index System of High-quality Development of Manufacturing in China. SHS Web of Conferences, 2023, 169, 01053.	0.2	0
1134	The effects of digital servitization on business competitiveness: A case study of Spanish manufacturers. Journal of International Entrepreneurship, 2023, 21, 180-213.	3.0	1
1135	What drives I4.0 adoption? Establishing the importance of strategy. IEEE Engineering Management Review, 2023, , 1-12.	1.3	0
1136	The role of Industry 4.0 on supply chain cost and supply chain flexibility. Business Process Management Journal, 2023, ahead-of-print, .	4.2	0
1137	A guideline to implement a CPS architecture in an SME. Production and Manufacturing Research, 2023, 11, .	1.5	0
1138	How to use bits for beats: the future strategies of music companies for using Industry 4.0 technologies in their value chain. Information Systems and E-Business Management, 2023, 21, 505-525.	3.7	2
1139	Expanding strategic flexibility through organizational culture, industry 4.0 and market orientation. International Journal of Productivity and Performance Management, 0, , .	3.7	1
1140	Government Attention, Market Competition and Firm Digital Transformation. Sustainability, 2023, 15, 9057.	3.2	6
1141	Digital transformation and export performance: a process mechanism of firm digital capabilities. Business Process Management Journal, 2023, 29, 1436-1465.	4.2	4

#	ARTICLE	IF	CITATIONS
1142	Contrasting value creation strategies of industrial-IoT-platforms â€“ a multiple case study. International Journal of Production Economics, 2023, 263, 108937.	8.9	2
1143	Cloud manufacturing adoption: a comprehensive review. Information Systems and E-Business Management, 0, , .	3.7	1
1144	The impact of IoT on manufacturing firm performance: the moderating role of firm-level IoT commitment and expertise. International Journal of Production Research, 0, , 1-26.	7.5	0
1145	Assessment on Enhancing Business Customer Acquisition for Autonomous Mobile Robots (AMR) in Industrial Automation and Robotics Industry. , 2023, , 257-264.		4
1146	Understanding BMI from Industry 4.0, knowledge management and market uncertainty perspective. Business Process Management Journal, 2023, 29, 1522-1542.	4.2	2
1147	Full, hybrid and platform complementarity: Exploring the industry 4.0 technology-performance link. International Journal of Production Economics, 2023, 263, 108949.	8.9	1
1149	Key Technologies And Critical Success Factors Of Industry 4.0 For The Sri Lankan Apparel Manufacturing Sector: A Systematic Literature Review. , 2023, , .		1
1150	Analysing cooperativesâ€™ digital maturity using a synthetic indicator. International Journal of Information Management, 2023, 72, 102678.	17.5	1
1151	Performance Analysis of Eight-Channel WDM Optical Network with Different Optical Amplifiers for Industry 4.0. EAI/Springer Innovations in Communication and Computing, 2023, , 197-212.	1.1	2
1152	Analyzing Barriers of Industry 4.0 Enabled Sustainable Manufacturing to Achieve Circular Economy. Lecture Notes in Mechanical Engineering, 2023, , 287-291.	0.4	0
1153	Humanâ€“Robot Collaborations in Smart Manufacturing Environments: Review and Outlook. Sensors, 2023, 23, 5663.	3.8	7
1154	Meslek YÃ¼ksekokulu Ã–ÄŸrencilerinin EndÃ¼stri 4.0 ve/veya Toplum 5.0 ile Ã–lÃ¼lÃ¼ Kavramlara YÃ¶nelik FarkÃ±ndalÃ±klarÃ±n GeliÅŸtirilmesi. Celal Bayar Ãœniversitesi Sosyal Bilimler Dergisi, 0, , 99-112.	0.0	1
1155	Industry 5.0, Digital Society, and Consumer 5.0. Advances in Human and Social Aspects of Technology Book Series, 2023, , 11-33.	0.3	1
1156	Does applying a circular business model lead to organizational resilience? Mediating effects of industry 4.0 and customers integration. Technological Forecasting and Social Change, 2023, 194, 122672.	11.6	3
1157	The â€œdark sideâ€• of Industry 4.0: How can technology be made more sustainable?. International Journal of Operations and Production Management, 2023, ahead-of-print, .	5.9	4
1158	Milestones for changing the model of scientific-technological development of Russia and overcoming the crisis, by Academician D. S. Lvov. Russian Journal of Economics and Law, 2023, 17, 289-306.	0.6	0
1159	Technologies Associated with Industry 4.0 in Green Supply Chains: A Systematic Literature Review. Sustainability, 2023, 15, 9784.	3.2	1
1160	Investigation of the optical, magnetic, and radar absorption characteristics of CoxFe3-xO4/ZnO/graphite nanocomposites. Materials Science in Semiconductor Processing, 2023, 165, 107683.	4.0	2

#	ARTICLE	IF	CITATIONS
1161	The Nexus of Corporate Affinity for Technology and Firm Sustainable Performance in the Era of Digitalization: A Mediated Model. Sustainability, 2023, 15, 9765.	3.2	4
1162	Machine learning and internet of things in industry 4.0: A review. Measurement: Sensors, 2023, 28, 100822.	1.7	1
1163	Achieving the sustainable development goals through net zero emissions: Innovation-driven strategies for transitioning from incremental to radical lean, green and digital technologies. Resources, Conservation and Recycling, 2023, 197, 107094.	10.8	21
1164	Industry 4.0: Machinery integration with supply chain and logistics in compliance with Italian regulations. MethodsX, 2023, 11, 102269.	1.6	1
1165	Mediating Effect of the Adoption of Industry 4.0 Technologies on the Relationship between Job Involvement and Job Performance of Millennials. Administrative Sciences, 2023, 13, 159.	2.9	0
1166	Digital Twinâ€œEnabled Machine Learning for Smart Manufacturing. Smart and Sustainable Manufacturing Systems, 2023, 7, 111-128.	0.7	2
1167	The Contribution of an ERP System in an LCA Analysis: A Case Study. Lecture Notes in Networks and Systems, 2023, , 833-844.	0.7	0
1168	An Enterprise Resource Planning (ERP) SAP Implementation Case Study in South Africa Small Medium Enterprise Sectors. Lecture Notes in Networks and Systems, 2023, , 348-354.	0.7	2
1169	Workforce Assignment Problem Considering Versatility in a Collaborative Robot System. Lecture Notes in Mechanical Engineering, 2023, , 551-564.	0.4	0
1170	A crossâ€œsectorial review of industrial best practices and case histories on Industry 4.0 technologies. Systems Engineering, 2023, 26, 908-924.	2.7	4
1171	Digital Transformation and its Impact on Operational Efficiency and Competitive Advantage in Islamic Banks. , 2023, , .		2
1172	Industry 4.0, multinationals, and sustainable development: A bibliometric analysis. Journal of Cleaner Production, 2023, 413, 137381.	9.3	3
1173	The impact of industry 4.0 on supply chain capability and supply chain resilience: A dynamic resource-based view. International Journal of Production Economics, 2023, 262, 108913.	8.9	21
1174	Recent Trends of Research and Education in ESG and Sustainability. Sustainable Development Goals Series, 2023, , 99-112.	0.4	0
1175	Early adoption of Industry 4.0 technologies in the agricultural sector: A phenomenological analysis. Journal of the International Council for Small Business, 2023, 4, 230-257.	1.0	0
1176	Assessment and recognition in technical massive open on-line courses with and without on-line laboratories. , 2023, , .		2
1177	Learnings from Industry 4.0 for transitioning towards Industry 4.0+: challenges and solutions for Indian pharmaceutical sector. Annals of Operations Research, 0, , .	4.1	2
1178	Business Use of Blockchain in New Zealand Organisations an Exploratory Study. , 2023, , 61-73.		0

#	ARTICLE	IF	CITATIONS
1179	The adoption of digital technologies in the manufacturing world and their evaluation: A systematic review of real-life case studies and future research agenda. <i>Journal of Manufacturing Systems</i> , 2023, 68, 576-600.	13.9	7
1181	Industry 4.0 and global value chains: what implications for circular economy in SME?. <i>Management Decision</i> , 2023, ahead-of-print, .	3.9	1
1182	Chemistry of Marketing: Application of Chemical Thermodynamics Laws to Closed and Isolated Marketing Systems. <i>Journal of Macromarketing</i> , 0, , .	2.6	0
1183	MCDM model to rank the performance outcomes in the implementation of Industry 4.0. <i>Benchmarking</i> , 2023, ahead-of-print, .	4.6	0
1184	Lean Six Sigma and Industry 4.0: A bibliometric analysis and a conceptual framework development for future research agenda. <i>International Journal of Productivity and Performance Management</i> , 0, , .	3.7	1
1185	A Managerial Approach to Industry 4.0 Training. <i>Lecture Notes in Management and Industrial Engineering</i> , 2023, , 11-18.	0.4	0
1186	Supporting maintenance operators using augmented reality decision-making: visualize, guide, decide & track. <i>Procedia CIRP</i> , 2023, 119, 782-787.	1.9	0
1187	A literature review on industry 4.0 implementation and performance: a contingency perspective. <i>TQM Journal</i> , 2023, ahead-of-print, .	3.3	1
1188	Sustainability, Natural Gas Consumption, and Environmental Pollution in the Period of Industry 4.0 in Turkey: MS-Granger Causality and Fourier Granger Causality Analysis. <i>Sustainability</i> , 2023, 15, 10742.	3.2	1
1189	Artificial intelligence in supply chain and operations management: a multiple case study research. <i>International Journal of Production Research</i> , 0, , 1-28.	7.5	6
1190	Do Intelligent Manufacturing Concerns Promote Corporate Sustainability? Based on the Perspective of Green Innovation. <i>Sustainability</i> , 2023, 15, 10958.	3.2	0
1191	Exploring servitization and digital transformation of manufacturing enterprises: evidence from an industrial internet platform in China. <i>International Journal of Production Research</i> , 2024, 62, 2812-2831.	7.5	5
1192	Industry 4.0 Framework Based on Organizational Diagnostics and Plan-Do-Check-Act Cycle for the Saudi Arabian Cement Sector. <i>Sustainability</i> , 2023, 15, 11261.	3.2	2
1193	A New Industry 4.0 Approach for Development of Manufacturing Firms Based on DFSS. <i>Processes</i> , 2023, 11, 2176.	2.8	1
1194	How to facilitate manufacturing industry learning from problems: a review on advanced technology problem-solving. <i>Journal of Workplace Learning</i> , 0, , .	1.7	1
1195	Post-occupancy evaluation for enhancing building performance and automation deployment. <i>Journal of Building Engineering</i> , 2023, 77, 107388.	3.4	3
1196	Stairway to Heaven: How Firms Build Absorptive Capacity to Succeed in Industry 4.0. , 2023, , 219-249.		0
1197	Successful Digital Transformations – Identifying the Role of Leadership. , 2023, , 13-26.		0

#	ARTICLE	IF	CITATION
1198	ç”Ÿç”£ăf ©ă,ăf³ă«ăšăă,ç•°ă„æœçŸŸăf»éžă©šă„ă,ăă,ă,ăf«ă©šă©ă,ăf³ăf ©ă,ăf³ă,ă,ăă†ăf. Transactions of the Society of Instr		
1199	Improving the quality assessment of drilled holes in aircraft structures. International Journal of Advanced Manufacturing Technology, 2023, 128, 1155-1168.	3.0	0
1200	Archetype Analyses of Advanced Technologies Adoption in Industrial Clusters. , 2023, , 137-144.		0
1201	Prioritization of Industry 4.0 Technologies Based on Diagnosis and Performance Indicators Associated with Lean Manufacturing under Interoperability Requirements. , 2023, , 708-716.		0
1202	Maturity Analysis for Implementation of Industry 4.0 Technologies in a Construction Company. , 2023, , 423-429.		0
1203	Testing for quadratic impact of industrial robots on environmental performance and reaction to green technology and environmental cost. Environmental Science and Pollution Research, 0, , .	5.3	0
1204	A digital life-cycle management framework for sustainable smart manufacturing in energy intensive industries. Journal of Cleaner Production, 2023, 419, 138259.	9.3	5
1205	A cyber-physical system to design 3D models using mixed reality technologies and deep learning for additive manufacturing. PLoS ONE, 2023, 18, e0289207.	2.5	1
1206	Modeling and Analysis of Cyber-physical Systems Based on Petri Net. International Journal of Control, Automation and Systems, 2023, 21, 2980-2994.	2.7	0
1207	Towards Supply Chain 5.0: Redesigning Supply Chains as Resilient, Sustainable, and Human-Centric Systems in a Post-pandemic World. SN Operations Research Forum, 2023, 4, .	1.0	6
1209	Exploring the Link Between Strategy and Smart Manufacturing Adoption: A Study in the Automotive Industry. Lecture Notes in Networks and Systems, 2023, , 185-196.	0.7	0
1210	Models for the Cost-Benefit Analysis of Digitalization and Industry 4.0: A Systematic Literature Review. Lecture Notes in Mechanical Engineering, 2023, , 675-682.	0.4	1
1211	A maturity model of I4.0â€¦in developing country: Challenges and enablers in Indonesia for using INDI 4.0 as a measuring instrument of I4.0 readiness. AIP Conference Proceedings, 2023, , .	0.4	0
1212	A hybrid fuzzy based approach for industry 4.0 framework implementation strategy and its sustainability in Indian automotive industry. Journal of Cleaner Production, 2023, 420, 138369.	9.3	4
1213	Value co-creation via machine learning from a configuration theory perspective. European Journal of Innovation Management, 2023, 26, 449-477.	4.6	1
1214	Call for Papers: Digital Technologies and Crowdfunding for Entrepreneurship in Emerging Markets. SSRN Electronic Journal, 0, , .	0.4	0
1215	Intelligent predictive maintenance of hydraulic systems based on virtual knowledge graph. Engineering Applications of Artificial Intelligence, 2023, 126, 106798.	8.1	3
1216	Flow Preprocessing for Online Routing and Scheduling in Time-Sensitive Networks. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
1217	Business IT Alignment Impact on Corporate Sustainability. Sustainability, 2023, 15, 12519.	3.2	1
1218	Developing an I4.0 Cyber-Physical System to Enhance Efficiency and Competitiveness in Manufacturing. Applied Sciences (Switzerland), 2023, 13, 9333.	2.5	2
1219	How have digital technologies facilitated supply chain resilience in the COVID-19 pandemic? An exploratory case study. Computers and Industrial Engineering, 2023, 183, 109538.	6.3	5
1220	Smart Value Chain Tool for the Sustainability of the Food and Beverage Sector. , 2023, , .		0
1221	LOPDM: A Low-power On-device Predictive Maintenance System Based on Self-powered Sensing and TinyML. IEEE Transactions on Instrumentation and Measurement, 2023, , 1-1.	4.7	0
1222	Interoperability Assessment Model in Industrial Maintenance According to Digital Twin Concept Based on Multicriteria Decision Support Methods. Lecture Notes in Mechanical Engineering, 2024, , 52-59.	0.4	0
1223	Evaluation and Validation Process of Extended Reality Applications Developed in an Industrial Context: A Systematic Review. SN Computer Science, 2023, 4, .	3.6	0
1224	Industry 4.0 base technologies and business models: a bibliometric analysis. European Journal of Innovation Management, 2023, 26, 502-526.	4.6	6
1225	Examining the interactions among smart supply chains and carbon reduction strategies: To attain carbon neutrality. Business Strategy and the Environment, 2024, 33, 1227-1246.	14.3	2
1226	Design of Digital Planner and 3D Vision System for Robot Bin Picking. , 2023, , .		0
1227	Exploring how new industrial paradigms affect the workforce: A literature review of Operator 4.0.. Journal of Manufacturing Systems, 2023, 70, 464-483.	13.9	3
1228	Facing the era of smartness – delivering excellent smart hospitality experiences through cloud computing. Journal of Hospitality Marketing and Management, 0, , 1-27.	8.2	2
1229	The moment is now! From digital transformation to environmental performance. Venture Capital, 0, , 1-36.	1.6	0
1230	Impact of waste management among Industry 4.0 and sustainable development. Environmental Science and Pollution Research, 0, , .	5.3	0
1231	Digital transformation: exploring cornerstones for construction industry. Kybernetes, 0, , .	2.2	0
1232	An Interoperability Middleware for IIoT. , 2023, , .		0
1233	Smart manufacturing as a strategic tool to mitigate sustainable manufacturing challenges: a case approach. Annals of Operations Research, 2023, 331, 543-579.	4.1	1
1234	A circular waste bioeconomy development model in the Ecuadorian fishery industry: the impact of government strategy on supply chain integration and smart operations. Environmental Science and Pollution Research, 2023, 30, 98156-98182.	5.3	0

#	ARTICLE	IF	CITATIONS
1235	An Off-Line Error Compensation Method for Absolute Positioning Accuracy of Industrial Robots Based on Differential Evolution and Deep Belief Networks. Electronics (Switzerland), 2023, 12, 3718.	3.1	0
1236	A Bi-Objective Optimization Model for a Low-Carbon Supply Chain Network with Risk of Uncertain Disruptions. Symmetry, 2023, 15, 1707.	2.2	1
1237	Digital Transformation: Moderating Supply Chain Concentration and Competitive Advantage in the Service-Oriented Manufacturing Industry. Systems, 2023, 11, 486.	2.3	0
1238	Cloud-Based Architecture for Production Information Exchange in European Micro-Factory Context. Applied Sciences (Switzerland), 2023, 13, 10223.	2.5	0
1239	Exploiting Industry 4.0 beyond expectations: an empirical study of manufacturing firms. Technology Analysis and Strategic Management, 0, , 1-14.	3.5	1
1240	The Digital Drivers of Consumer Behavior: Industry 4.0, Web 3.0, and Artificial Intelligence. Palgrave Studies in Marketing, Organizations and Society, 2023, , 41-54.	0.1	0
1241	Finding causal relationship and ranking of industry 4.0 implementation challenges: a fuzzy DEMATEL-ANP approach. Soft Computing, 2023, 27, 15479-15496.	3.6	0
1242	Six-Sigma Reference Model for Industry 4.0 Implementations in Textile SMEs. Sustainability, 2023, 15, 12589.	3.2	0
1243	Modeling the nexus of data analytics, sustainability practices and quality management: Evidence of key enablers. Environment, Development and Sustainability, 0, , .	5.0	0
1244	A Cyberâ€Physical Systems-Based Double-Layer Mapping Petri Net Model for Factory Process Flow Control. Applied Sciences (Switzerland), 2023, 13, 8975.	2.5	1
1245	Effect of industry 4 emerging technology on environmental sustainability of textile companies in Saudi Arabia: mediating role of green supply chain management. Management of Environmental Quality, 0, , .	4.3	1
1246	The Quality Manager in the Industry 4.0 Era. Lecture Notes in Mechanical Engineering, 2024, , 468-474.	0.4	1
1247	Investigating the critical success factors for integrating Lean Six Sigma and Industry 4.0. Quality Management Journal, 2023, 30, 259-278.	1.4	0
1248	Is this time different? How Industry 4.0 affects firmsâ€™ labor productivity. Small Business Economics, 0, , .	6.7	0
1249	Business Model Implementation of New Ventures: Linking TMT Process Antecedents, Organizational Culture, and Firm Performance. Entrepreneurship Theory and Practice, 0, , .	10.2	1
1250	How should companies deploy their digital supply chain platforms to gain competitive advantages? An asset orchestration perspective. Information and Management, 2023, 60, 103842.	6.5	2
1251	Requirements for the Adoption of Industry 4.0 in the Sustainable Manufacturing Supply Chain. Environmental Footprints and Eco-design of Products and Processes, 2024, , 185-201.	1.1	15
1253	Aligning sustainability goals of industrial operations and marketing in Industry 4.0 environment for MSMEs in an emerging economy. Journal of Business and Industrial Marketing, 2024, 39, 581-602.	3.0	2

#	ARTICLE	IF	CITATIONS
1254	The role of digital governance in the integration of performance measurement systems uses and Industry 4.0 maturity. International Journal of Computer Integrated Manufacturing, 0, , 1-14.	4.6	0
1255	Impact of digital technology usage on firm resilience: a dynamic capability perspective. Supply Chain Management, 0, , .	6.4	1
1256	Connected and automated vehicle loading system for improving operational inefficiency from human driven vehicle in roll-on/roll-off port operations. Transportation Planning and Technology, 2024, 47, 258-283.	2.0	0
1257	Quality 4.0: technologies and readiness factors in the entire value flow life cycle. Production and Manufacturing Research, 2023, 11, .	1.5	2
1258	Industry 4.0 Technological Advancement in the Food and Beverage Manufacturing Industry in South Africa”Bibliometric Analysis via Natural Language Processing. Information (Switzerland), 2023, 14, 454.	2.9	3
1259	Digitalisation dynamics in SMEs: An approach from systems dynamics and artificial intelligence. Technological Forecasting and Social Change, 2023, 196, 122880.	11.6	3
1260	Blockchain Technology Adoption in Financial Services. Advances in Finance, Accounting, and Economics, 2023, , 99-117.	0.3	1
1262	An industry maturity model for implementing Machine Learning operations in manufacturing. International Journal of Production Management and Engineering, 2023, 11, 179-186.	1.5	0
1263	Collaborative or substitutive robots? Effects on workers’ skills in manufacturing activities. International Journal of Production Research, 2023, 61, 7922-7955.	7.5	6
1264	Relationship between industry 4.0 and patents. World Patent Information, 2023, 74, 102221.	1.7	1
1265	Technology-pushed, market-pulled, or government-driven? The adoption of industry 4.0 technologies in a developing economy. Journal of Manufacturing Technology Management, 2023, 34, 115-138.	6.4	1
1266	The impact of advanced manufacturing technology, sensing and analytics capabilities, and planning comprehensiveness on sustained competitive advantage: The moderating role of environmental uncertainty. International Journal of Production Economics, 2023, 265, 109007.	8.9	3
1267	Factors inhibiting the adoption of industrial revolution 4.0 in Malaysian construction industry. Smart and Sustainable Built Environment, 0, , .	4.0	4
1268	Tourism management in financial crisis and industry 4.0 effects: Managers traits for technology adoption in reshaping, and reinventing human management systems. Human Systems Management, 2023, , 1-18.	1.1	14
1269	Towards flexible production systems engineering according to RAMI 4.0 by utilizing PPR notation. , 2023, , .		0
1270	Exploring IoT Applications in Industry 4.0”Insights from Review of Literature. Studies in Computational Intelligence, 2023, , 15-38.	0.9	0
1271	The Impact of Digital Transformation Strategy in Supply Chain Integration Field Study in the Company Registered in Amman Stock. Studies in Systems, Decision and Control, 2023, , 912-925.	1.0	0
1272	Industry 4.0: survey of digital twin in smart manufacturing and smart cities. , 2023, , 89-110.		0

#	ARTICLE	IF	CITATIONS
1273	Digital Twin Application Methodology for the Improvement of Production and Service Systems. Application to Waste Management Processes. Lecture Notes in Networks and Systems, 2023, , 25-36.	0.7	0
1274	Digital Twin and Extended Reality in Industrial Contexts: A Bibliometric Review. Lecture Notes in Computer Science, 2023, , 269-283.	1.3	0
1275	Two-stage hybrid model for supplier selection and order allocation considering cyber risk. Infor, 0, , 1-29.	0.6	0
1276	Data-driven review of additive manufacturing on supply chains: Regionalization, key research themes and future directions. Computers and Industrial Engineering, 2023, 184, 109600.	6.3	3
1277	Digital transformation and financing constraints of SMEs: evidence from China. Asia-Pacific Journal of Accounting and Economics, 0, , 1-21.	1.2	2
1278	Lean and Digital Strategy Role in Achieving a Successful Digital Transformation. IFIP Advances in Information and Communication Technology, 2023, , 157-170.	0.7	0
1279	Optimized Task Planning of Transfer Robots Using Reinforcement Learning. IFIP Advances in Information and Communication Technology, 2023, , 591-602.	0.7	0
1280	Towards a Concept for Digitalized Yard Logistics“Outlining the Next-Generation Features. IFIP Advances in Information and Communication Technology, 2023, , 3-18.	0.7	0
1281	Technologies of Industry 4.0 and Opportunities They Create for Product Innovation. IEEE Engineering Management Review, 2023, , 1-6.	1.3	0
1282	“RETÄ°M ENDÄ°STRÄ°SÄ°NÄ° DÄ–NÄ°ÄžTÄ°REN TEKNOLOJÄ° TRENDLERÄ°NE GENEL BÄ°R BAKIÄž. FÄ±rat Ä°niversitesi Sosyal Bilimler Dergisi, 2023, 33, 1339-1354.	0.5	0
1283	The effects of industry 4.0 on productivity: A scientific mapping study. Technology in Society, 2023, 75, 102368.	9.4	1
1285	The Role of Supply Chain Control Towers in Facilitating Sustainable Supply Chain Management Practices. Advances in Marketing, Customer Relationship Management, and E-services Book Series, 2023, , 310-327.	0.8	1
1286	A Self-Powered Predictive Maintenance System Based on Piezoelectric Energy Harvesting and TinyML. , 2023, , .		0
1287	Interplays Between Artificial Intelligence and Sustainability in Business / Management. A Bibliometric Analysis. Studies in Business and Economics, 2023, 18, 336-357.	0.7	1
1288	Implementing Industry 4.0 technologies: Future roles in purchasing and supply management. Technological Forecasting and Social Change, 2023, 196, 122847.	11.6	0
1289	EXAMINING THE BARRIERS OF INDUSTRY 4.0 TECHNOLOGIES IN THE LOGISTICS SECTOR USING FUZZY DELPHI METHOD. Elektronik Sosyal Bilimler Dergisi, 2023, 22, 2065-2086.	0.8	0
1290	A Self-Powered Sensing System with Embedded TinyML for Anomaly Detection. , 2023, , .		0
1291	Skills and Competencies of Industrial Employees in the Industry 5.0 Environment. Lecture Notes in Mechanical Engineering, 2024, , 251-264.	0.4	0

#	ARTICLE	IF	CITATIONS
1292	Revolutionizing Sri Lankan Tea Industry: A Comprehensive Analysis of the Economic Viability of Implementing IoT Applications. Lecture Notes in Mechanical Engineering, 2024, , 265-279.	0.4	0
1293	A Holistic Framework for Production Scheduling in Industry 4.0. , 2023, , .		1
1294	Security in modern manufacturing systems: integrating blockchain in artificial intelligence-assisted manufacturing. International Journal of Production Research, 2024, 62, 1041-1071.	7.5	0
1295	Development of a digital maturity model for Industry 4.0 based on the technology-organization-environment framework. Computers and Industrial Engineering, 2023, 185, 109645.	6.3	0
1296	Profiting from the digital integration of the value chain and digital competencies: does open innovation matter for manufacturing SMEs?. Technology Analysis and Strategic Management, 0, , 1-14.	3.5	0
1297	Developing capabilities underlying to Industry 4.0 design principles within the manufacturing context. Journal of Manufacturing Technology Management, 2023, 34, 1183-1207.	6.4	1
1298	Analysing Industry 4.0 technology-solution dependencies: a support framework for successful Industry 4.0 adoption in the product generation process. Research in Engineering Design - Theory, Applications, and Concurrent Engineering, 0, , .	2.1	1
1299	A production interface to enable legacy factories for industry 4.0. Engineering Research Express, 2023, 5, 045019.	1.6	1
1300	A Bibliometric Analysis of Smart Manufacturing and Way Forward. Environmental Footprints and Eco-design of Products and Processes, 2024, , 137-158.	1.1	0
1301	Challenges for the Adoption of Industry 4.0 in the Sustainable Manufacturing Supply Chain. Environmental Footprints and Eco-design of Products and Processes, 2024, , 175-188.	1.1	0
1302	Application of Digital Twin for Efficient Supply Chain: Analysis of Opportunities and Challenges. Environmental Footprints and Eco-design of Products and Processes, 2024, , 105-124.	1.1	0
1303	The Benefits of Using Industry 4.0 in the Manufacturing Sector. Environmental Footprints and Eco-design of Products and Processes, 2024, , 83-103.	1.1	0
1304	Sustainable Supply Chain Practices: An Empirical Investigation from the Manufacturing Industry. Sustainability, 2023, 15, 14395.	3.2	4
1305	Model for Technology Selection in the Context of Industry 4.0 Manufacturing. Processes, 2023, 11, 2905.	2.8	0
1306	An initial survey on the readiness of Industry 4.0 adoption in the manufacturing industries. International Journal of Advanced Manufacturing Technology, 2023, 129, 1613-1630.	3.0	0
1307	An Overview of Operations Research/Management Science in Latin America. , 2023, , 1-19.		0
1308	Product design training in Industry 4.0: Using infographics and product modelling. Innovations in Education and Teaching International, 0, , 1-15.	2.5	0
1309	Industry 4.0 in "Major Emerging Markets": A Systematic Literature Review of Benefits, Use, Challenges, and Mitigation Strategies in Supply Chain Management. Sustainability, 2023, 15, 14811.	3.2	1

#	ARTICLE	IF	CITATIONS
1310	Framework for the Strategic Adoption of Industry 4.0: A Focus on Intelligent Systems. Processes, 2023, 11, 2973.	2.8	0
1311	The unequal implications of Industry 4.0 adoption: evidence on productivity growth and convergence across Europe. Economics of Innovation and New Technology, 0, , 1-25.	3.4	0
1312	Bibliometric analysis of the emergence and evolution of Industry 4.0 in the supply chain. Production Engineering, 0, , .	2.3	0
1313	From supply chains towards manufacturing ecosystems: A system dynamics model. Technological Forecasting and Social Change, 2023, 197, 122917.	11.6	1
1314	Exploring Research Issues and Potential Future Directions in Industry 4.0 Adoption in SMEs: A Comprehensive Analysis and Integration. FIIB Business Review, 0, , .	3.1	2
1315	Does industrial convergence mitigate CO2 emissions in China? A quasi-natural experiment on "Triple Play" Reform. Energy Economics, 2023, 128, 107107.	12.1	1
1316	Moderating ESG compliance between industry 4.0 and green practices with green servitization: Examining its impact on green supply chain performance. Technovation, 2024, 129, 102898.	7.8	3
1317	Research on the game of manufacturing capacity sharing based on prospect theory. Scientific Reports, 2023, 13, .	3.3	0
1318	Control of SCARA Robot and Rotary Table in ROS and Gazebo as Part of a Cyber-Physical System. , 2023, , .		0
1319	Digital Maturity and Digital Transformation Strategy among Greek Small and Medium Enterprises. Administrative Sciences, 2023, 13, 236.	2.9	2
1320	Evaluating circular economy and smart technology adoption barriers in the Indian textile and apparel industries using neutrosophic ISM. Annals of Operations Research, 0, , .	4.1	1
1321	Examining Sustainability Alignment of Supplier Selection Criteria during Industrial Revolutions. Sustainability, 2023, 15, 15930.	3.2	0
1322	Unlocking competitive edge and sustainability through Make-to-Order manufacturing: an empirical investigation. Environment, Development and Sustainability, 0, , .	5.0	0
1323	Supply chain 4.0 ambidexterity and lean supply chain management: interrelationships and effect on the focal firm's operational performance. Supply Chain Management, 2023, 28, 112-128.	6.4	0
1324	Leading the transition to multi-sided platforms (MSPs) in a B2B context " The case of a recycling SME. Industrial Marketing Management, 2024, 116, 106-119.	6.7	1
1325	Defining the key factors of industry 4.0 adoption in the manufacturing industry: A systematic literature review. AIP Conference Proceedings, 2023, , .	0.4	0
1327	Conceptualization of DIANA Economy and Global RPM Analysis: Differences in Digitalization Levels of Countries. Systems, 2023, 11, 544.	2.3	0
1328	A framework to assess the impacts of digital electrical substations. Smart Energy, 2023, 12, 100125.	5.7	0

#	ARTICLE	IF	CITATIONS
1329	Examining the dynamic nexus between industry 4.0 technologies and sustainable economy: New insights from empirical evidence using GMM estimator across 20 OECD nations. Technology in Society, 2023, 75, 102408.	9.4	2
1330	Study on the microstructure and properties of rail cladding layer after laser quenching. Journal of Manufacturing Processes, 2023, 108, 180-193.	5.9	0
1331	COMPETITIVE POSITIONING OF THE BULGARIAN MOBILE OPERATORS AND DIGITAL TRANSFORMATION. Trakia Journal of Sciences, 2022, 20, 19-28.	0.1	0
1332	Integrating Industry 4.0 Technologies for Enhanced Safety Engineering: A Comprehensive Review and Analysis. Lecture Notes in Computer Science, 2023, , 43-58.	1.3	0
1333	When Does Digital Technology Adoption Enhance Firmsâ€™ Sustainable Innovation Performance? A Configurational Analysis in China. IEEE Transactions on Engineering Management, 2024, 71, 1555-1568.	3.5	1
1334	Teaching Engineering Design for Industry 4.0 Using a Cyber-Physical Learning Factory. IFAC-PapersOnLine, 2023, 56, 4699-4704.	0.9	0
1335	Prioritizing Barriers to I4.0 Integration in Tunisian Supply Chains. , 2023, , .		0
1336	The Barriers Related to Smart Manufacturing Systems and an Application for the Selection of Innovation Management Model: The Case of Samsun Province. , 2024, , 91-110.		0
1337	Digitalization and network capability as enablers of business model innovation and sustainability performance: The moderating effect of environmental dynamism. Journal of Information Technology, 0, , .	3.9	0
1338	Prioritisation and causal relationships of industry 4.0 readiness determinants: empirical validation of an assessment framework. Journal of Manufacturing Technology Management, 0, , .	6.4	0
1339	Machine Learning Aided Six Sigma: Perspective and Practical Implementation. IEEE Transactions on Engineering Management, 2024, 71, 1519-1530.	3.5	0
1340	The role of industrial intelligence in peaking carbon emissions in China. Technological Forecasting and Social Change, 2024, 199, 123005.	11.6	6
1342	The effect of IT security issues on the implementation of industry 4.0 in SMEs: Barriers and challenges. Technological Forecasting and Social Change, 2024, 199, 123051.	11.6	1
1343	DĞJĞTAL TEDARĞK ZĞNCĞRĞ YĞNETĞMĞ VE TEDARĞK ZĞNCĞRĞNDE DĞJĞTAL UYGULAMALAR KONUŞUNDAĞĞ YAYINLANAN BĞBLĞYOMETRĞK ANALĞZĞ (1995-2023) VE GELECEK ARAŞTIRMALAR ĞĞĞĞN FIRSATLAR. Marmara Business Review, 0, , .	0.2	0
1344	DĞJĞTAL TEDARĞK ZĞNCĞRĞ LĞTERATĞœRĞœNĞœN BĞBLĞYOMETRĞK ANALĞZ YĞNTEMĞYLE ĞNCELENMESĞ, Marmara Business Review, 0, , .	0.2	0
1345	An analysis of critical factors for adopting machine learning in manufacturing supply chains. Decision Analytics Journal, 2024, 10, 100377.	4.8	0
1346	Antecedents of Industry 4.0 capabilities and technological innovation: a dynamic capabilities perspective. European Business Review, 0, , .	3.4	9
1347	Through firmsâ€™ eyes: How SMEs define technological spaces and trajectories in the digital era. SSRN Electronic Journal, 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
1348	Industry 4.0: An investigation of benefits and barriers with managers of Brazilian manufacturers adopters. Journal of Engineering and Technology Management - JET-M, 2024, 71, 101786.	2.7	1
1349	Challenges and opportunities for manufacturing SMEs in adopting industry 4.0 technologies for achieving sustainability: Empirical evidence from an emerging economy. Operations Management Research, 0, , .	8.5	2
1350	Development of a readiness model for industry 4.0 using Analytical Hierarchy process and fuzzy inference system: Bangladesh perspective. Heliyon, 2024, 10, e23664.	3.2	0
1351	Advanced Manufacturing Technology Implementation in Indian Automotive Industry: An Interactive Qualitative Study. IFIP Advances in Information and Communication Technology, 2024, , 69-81.	0.7	0
1352	Human work in the shift to Industry 4.0: a road map to the management of technological changes in manufacturing. International Journal of Production Research, 0, , 1-18.	7.5	1
1353	Digitalization in response to carbon neutrality: Mechanisms, effects and prospects. Renewable and Sustainable Energy Reviews, 2024, 191, 114138.	16.4	2
1354	Integrating Lean Management with Industry 4.0: an explorative Dynamic Capabilities theory perspective. Production Planning and Control, 0, , 1-19.	8.8	0
1355	Machine Learning Techniques in Additive Manufacturing: A Review. , 2023, , .		0
1356	How smart is a "smart factory"? an organizational view. Industrial and Corporate Change, 0, , .	2.8	0
1357	Augmented reality and deep learning based system for assisting assembly process. Journal on Multimodal User Interfaces, 2024, 18, 119-133.	2.9	1
1358	Research Trends on Smart Connected Products in The Industry 4.0: A Systematic Literatur Review. E3S Web of Conferences, 2023, 465, 02007.	0.5	0
1359	Modeling barriers to adoption of "Digitization in supply chains using FTOPSIS and its impact on "sustainability TBL. Benchmarking, 0, , .	4.6	0
1360	Integration of lean manufacturing and factory physics in an Industry 4.0 roadmap for augmenting operational performance. TQM Journal, 0, , .	3.3	0
1361	Quantifying circularity factor of waste: Assessing the circular economy potential of industrial zones. Cleaner Environmental Systems, 2024, 12, 100160.	4.2	0
1362	Hybrid Data-Driven and "Knowledge-Based Predictive Maintenance Framework in "the "Context of "Industry 4.0. Lecture Notes in Computer Science, 2024, , 319-337.	1.3	0
1363	Assessing the influence of artificial intelligence on agri-food supply chain performance: the mediating effect of distribution network efficiency. Technological Forecasting and Social Change, 2024, 200, 123149.	11.6	2
1364	Transforming industry: Investigating 4.0 technologies for sustainable product evolution in china through a novel fuzzy three-way decision-making process. Technological Forecasting and Social Change, 2024, 200, 123125.	11.6	1
1365	Intelligent manufacturing for strengthening operational resilience during the COVID-19 pandemic: A dynamic capability theory perspective. International Journal of Production Economics, 2024, 267, 109078.	8.9	4

#	ARTICLE	IF	CITATIONS
1367	Digitalization and Network Capability as Enablers of Business Model Innovation and Sustainability Performance: The Moderating Effect of Environmental Dynamism. SSRN Electronic Journal, 0, , .	0.4	0
1369	The struggle of sensor-based digital servitization: analysis and perspectives for organizational digital transformation in SMEs. European Journal of Innovation Management, 2023, 27, 52-72.	4.6	0
1370	RESEARCH TRENDS IN DIGITAL TRANSFORMATION IN SUPPLY CHAIN BASED ON BIBLIOMETRIC AND NETWORK ANALYSIS. Journal of Business Economics and Management, 2023, 24, 1042-1058.	2.4	0
1371	The Impact of Big Data Analytics on Decision-Making Within the Government Sector. Big Data, 0, , .	3.4	0
1372	On the Evaluation of Diverse Vision Systems towards Detecting Human Pose in Collaborative Robot Applications. Sensors, 2024, 24, 578.	3.8	1
1373	Development and application of a maturity model for Industrial Agile Working. Computers and Industrial Engineering, 2024, 188, 109877.	6.3	0
1374	Heterarchical Control System of a Diaper Converting Machine Using Colored Petri Nets. , 2023, , .		0
1375	Fitting digital visualization board transitions to shop floor tasks. Journal of Operations Management, 2024, 70, 411-432.	5.2	0
1376	The Shift Towards Operations Management 4.0. Advances in E-Business Research Series, 2023, , 160-221.	0.4	0
1377	Industry 4.0, servitization, and reshoring: A systematic literature review. European Research on Management and Business Economics, 2024, 30, 100234.	6.9	1
1378	Digital Supply Chain Management. Journal of Global Information Management, 2024, 32, 1-20.	2.8	0
1379	Industry 4.0 technologies and Lean Office: perspectives to Smart Office. Production, 0, 34, .	1.3	0
1380	Emerging Technologies to Enhance Human-Machine Interaction and to Facilitate Industrial Paradigm Shift to Industry 5.0. Advances in Business Information Systems and Analytics Book Series, 2024, , 1-23.	0.4	0
1381	The influence of key components and digital technologies on manufacturer's choice of innovation strategy. European Journal of Operational Research, 2024, 315, 1210-1220.	5.7	0
1382	Industry 4.0â€”Premise for Sustainability: Implementation Degree in Manufacturing Companies from Romania. Sustainability, 2024, 16, 807.	3.2	0
1383	How the adoption of industry 4.0 technologies is related to participation in global and domestic value chains: Evidence from Russia. International Journal of Innovation Studies, 2024, 8, 93-108.	3.6	0
1384	Traditional Practices and Potential of Industrial Revolution 4.0 in the Construction Projects. Lecture Notes in Civil Engineering, 2024, , 647-660.	0.4	0
1385	Insights into the digitalization-performance relationship: the role of flexibility and quality enhancing organizational practices. Production Planning and Control, 0, , 1-17.	8.8	0

#	ARTICLE	IF	CITATIONS
1386	Soft modularized robotic arm for safe human-robot interaction based on visual and proprioceptive feedback. International Journal of Robotics Research, 0, , .	8.5	0
1387	Industry 4.0 and life cycle assessment: Evaluation of the technology applications as an asset for the life cycle inventory. Science of the Total Environment, 2024, 916, 170263.	8.0	0
1388	Integration of Industry 4.0 to the CBM practices of the O&G upstream sector in Nigeria. International Journal of Quality and Reliability Management, 0, , .	2.0	0
1389	The Future of Disassembly Planning: A Critical Assessment of Industry 5.0, Lean, and X-Reality. , 2023, , .		0
1390	The impact of artificial intelligence and Industry 4.0 on transforming accounting and auditing practices. Journal of Open Innovation: Technology, Market, and Complexity, 2024, 10, 100218.	5.2	0
1391	Mapping Digital Readiness Model into Ontology. , 2023, , .		0
1392	Towards sustainable sustainability: exploring the impact of antecedents on industry 4.0 and sustainable performance of organizations- an empirical investigation. Annals of Operations Research, 0, , .	4.1	0
1393	Development and deployment of services based on D-BEST methodology for robotics and production automation related pilot lines. AIP Conference Proceedings, 2024, , .	0.4	0
1394	Transformation of Corporate Social Responsibility Practices: Adapting Artificial Intelligence and Internet of Things. Communications in Computer and Information Science, 2024, , 165-177.	0.5	0
1395	Industry 4.0 Innovation: A Systematic Literature Review on the Role of Blockchain Technology in Creating Smart and Sustainable Manufacturing Facilities. Information (Switzerland), 2024, 15, 78.	2.9	1
1396	Porous materials as effective chemiresistive gas sensors. Chemical Society Reviews, 2024, 53, 2530-2577.	38.1	0
1397	Quantum-inspired computing technology in operations and logistics management. International Journal of Physical Distribution and Logistics Management, 0, , .	7.4	1
1398	Harnessing digital transformation for green innovation in energy transition: a study on R&D investments and spatial spillover in China. Economic Change and Restructuring, 2024, 57, .	5.0	0
1399	Unpacking the Role of Green Smart Technologies Adoption, Green Ambidextrous Leadership, and Green Innovation Behaviour on Green Innovation Performance in Malaysian Manufacturing Companies. FIIB Business Review, 0, , .	3.1	0
1400	Evolving Dynamic Capabilities: Exploring Implications of Industry 4.0 Digital Technologies on Manufacturing. IEEE Transactions on Engineering Management, 2024, 71, 5455-5469.	3.5	0
1401	Self-powered wireless automatic counterung system based on triboelectric nanogenerator for smart logistics. Nano Energy, 2024, 123, 109365.	16.0	0
1402	Preparing the manufacturing workforce for Industry 4.0 technology implementation. , 0, , .		0
1403	Lean 4.0: a systematic literature review on the interaction between lean production and industry 4.0 pillars. Journal of Manufacturing Technology Management, 0, , .	6.4	0

#	ARTICLE	IF	CITATIONS
1404	The impact of manufacturing digital supply chain on supply chain disruption risks under uncertain environmentâ€”Based on dynamic capability perspective. <i>Advanced Engineering Informatics</i> , 2024, 60, 102385.	8.0	0
1405	Unveiling the affecting mechanism of digital transformation on total factor productivity of Chinese firms. <i>PLoS ONE</i> , 2024, 19, e0298428.	2.5	0
1406	Revealing the Supply Chain 4.0 Potential within the European Automotive Industry. <i>Sustainability</i> , 2024, 16, 1421.	3.2	0
1407	A real-time posture assessment system based on motion capture data for manual maintenance and assembly processes. <i>International Journal of Advanced Manufacturing Technology</i> , 2024, 131, 1397-1411.	3.0	0
1408	Correlation among components of the Indonesian industry readiness index 4.0 and its implementation on socioeconomic along with the demographic aspects. , 0, , .		0
1409	Supply chain digitalization and performance: A moderated mediation of supply chain visibility and supply chain survivability. <i>Heliyon</i> , 2024, 10, e25584.	3.2	0
1411	TransformaciÃ³n digital en ciencias administrativas y contabilidad: tendencias de investigaciÃ³n en Scopus. <i>Iberoamerican Journal of Science Measurement and Communication</i> , 2024, 4, 1-10.	0.6	1
1412	Role of information processing and digital supply chain in supply chain resilience through supply chain risk management. <i>Journal of Global Operations and Strategic Sourcing</i> , 2024, 17, 429-447.	4.6	3
1413	Mindfulness at the Workplace. <i>Advances in Psychology, Mental Health, and Behavioral Studies</i> , 2024, , 121-136.	0.1	0
1414	The interplay of lean practices and digitalization on organizational learning systems and operational performance. <i>International Journal of Production Economics</i> , 2024, 270, 109192.	8.9	0
1415	Development of an Extraction Column using Machine Learning for the Prediction of Feed and Solvent to Obtain the Desired Extraction. <i>Journal of Artificial Intelligence and Capsule Networks</i> , 2024, 6, 27-44.	2.5	0
1416	Uptake of Internet of Things by SMEs in digital era in emerging economies: A systematic literature review. <i>International Journal of Research in Business and Social Science</i> , 2024, 13, 38-46.	0.3	0
1417	A bibliometric analysis and systematic literature review of industry 4.0 implementation in supply chain. <i>Journal of Science and Technology Policy Management</i> , 0, , .	2.8	0
1418	From Industry 4.0 Digital Manufacturing to Industry 5.0 Digital Society: a Roadmap Toward Human-Centric, Sustainable, and Resilient Production. <i>Information Systems Frontiers</i> , 0, , .	6.4	0
1419	Reinforcement Learning-Based Optimization for Sustainable and Lean Production within the Context of Industry 4.0. <i>Algorithms</i> , 2024, 17, 98.	2.1	0
1420	Industry 4.0 as an enabler of sustainability for small and medium enterprises. <i>Academia Revista Latinoamericana De Administracion</i> , 0, , .	1.1	0
1421	Exploring tensions of Industry 4.0 adoption in lean production systems from a dialectical perspective. <i>International Journal of Operations and Production Management</i> , 0, , .	5.9	0
1422	Enabling industry 4.0: Assessing technologies and prioritization framework for agile manufacturing in India. <i>Journal of Cleaner Production</i> , 2024, 447, 141488.	9.3	0

#	ARTICLE	IF	CITATIONS
1423	Evaluating the Progress of Digital Transformation in Greek SMEs. Advances in Electronic Government, Digital Divide, and Regional Development Book Series, 2024, , 81-105.	0.2	0
1424	Impact of Transformational Leadership on the Innovative Performance of Vietnamese SMEsâ€”Moderating Role of Industry 4.0 Base Technology. , 2024, , 33-55.		0
1425	Integrating Industry 4.0 and 5.0 Innovations for Enhanced Energy Management Systems. Energies, 2024, 17, 1222.	3.1	0
1426	Achieving Environmental sustainability through the adoption of industry 4.0: an exploratory case study within the information technology industry. , 2024, .		0
1427	Supply chain digitisation and management. International Journal of Production Research, 2024, 62, 2918-2926.	7.5	0
1428	Digitalization in lean manufacturing firms: aÂcumulativeÂcapability development perspective. International Journal of Operations and Production Management, 0, , .	5.9	0
1429	Does lean inventory management alleviate financing constraints?. Journal of Manufacturing Technology Management, 2024, 35, 590-608.	6.4	0
1430	Tech and grow! Unraveling the interplay between industry 4.0 technologies and supply chain performance: marketing strategy alignment as a moderator. International Entrepreneurship and Management Journal, 0, , .	5.0	0
1431	Reviewing Enablers and Drivers While Implementing Artificial Intelligence (AI) Among Indian Automobile Supply Chains. Lecture Notes in Mechanical Engineering, 2024, , 195-211.	0.4	0
1432	The Impact of Industry 4.0 on Business Performance: A Multiple Case Study in the Automotive Sector. Procedia Computer Science, 2024, 232, 2117-2126.	2.0	0
1433	Implementation of Industry 4.0: Examples from the Serbian Manufacturing Industry. , 0, , .		0
1434	Integrating advanced digital technologies in existing lean-based production systems: analysis of paradoxes, imbalances and management strategies. International Journal of Operations and Production Management, 0, , .	5.9	0
1435	Are lean and digital engaging betterÂproblem solvers? AnÂempirical study on Italian manufacturing firms. International Journal of Operations and Production Management, 0, , .	5.9	0
1436	How can agrifood businesses improve their performance? TheÂrole of digital transformation. British Food Journal, 2024, 126, 1682-1697.	2.9	0
1437	Implementation of industrial revolution 4.0 toward successful practices of total quality management in the sustainable construction industry. AIP Conference Proceedings, 2024, , .	0.4	0
1438	A bibliometric study with statistical patterns of industry 4.0 on business management in the decade. Journal of Physics: Conference Series, 2024, 2726, 012009.	0.4	0
1439	A distributed permutation flow-shop considering sustainability criteria and real-time scheduling. Journal of Industrial Information Integration, 2024, 39, 100598.	6.4	0
1440	â€œHello, this is your AI co-pilotâ€”â€”Operational implications of artificial intelligence chatbots. International Journal of Physical Distribution and Logistics Management, 0, , .	7.4	0

#	ARTICLE	IF	CITATIONS
1441	Digital Technologies for Quality Assurance in the Construction Industry: Current Trend and Future Research Directions towards Industry 4.0. Buildings, 2024, 14, 844.	3.1	0
1442	Digital supply chain transformation: The role of smart technologies on operational performance in manufacturing industry. International Journal of Engineering Business Management, 2024, 16, .	3.7	0
1444	The effect of market orientation and technology orientation on industry 4.0 technologies and market performance: Role of innovation capability. Industrial Marketing Management, 2024, 118, 231-241.	6.7	0
1445	Big data driven supply chain innovative capability for sustainable competitive advantage in the food supply chain: Resource-based view perspective. Business Strategy and the Environment, 0, , .	14.3	0
1446	Assessment of business resilience abilities: the case of industry and commerce of Santa Maria â€“ RS. Revista De AdministraÃ§Ã£o Da UFSM, 2024, 17, e3.	0.4	0
1447	Framework for Implementing Industry 4.0 Projects. Sustainability, 2024, 16, 2387.	3.2	0
1448	Optimal integration decision of industrial internet platform for third-party components in two-sided networks. Industrial Management and Data Systems, 0, , .	3.7	0
1449	Assessing Factory's Industry 4.0 Readiness: A Practical Method for IIoT Sensor and Network Analysis. Procedia Computer Science, 2024, 232, 2730-2739.	2.0	0
1450	A Review of Industry 4.0 Maturity Models: Theoretical Comparison in The Smart Manufacturing Sector. Procedia Computer Science, 2024, 232, 1869-1878.	2.0	0
1451	Towards a Digital Predictive Maintenance (DPM): Healthcare Case Study. Procedia Computer Science, 2024, 232, 3183-3194.	2.0	0
1452	Enabling Industry 4.0 Transformation in Calabria region: Framework, Machine Interconnection and ERP Synergy. Procedia Computer Science, 2024, 232, 1151-1163.	2.0	0
1453	Q-Learning for Inventory Management: an application case. Procedia Computer Science, 2024, 232, 2431-2439.	2.0	0