Fortune favors the prepared: How SMEs approach busin 4.0

Technological Forecasting and Social Change 132, 2-17

DOI: 10.1016/j.techfore.2017.12.019

Citation Report

#	Article	IF	CITATIONS
1	Digital, Social Media, and Mobile Marketing in industrial buying: Still in need of customer segmentation? Empirical evidence from Poland and Germany. Industrial Marketing Management, 2018, 73, 70-83.	3.7	60
2	Evaluating challenges to Industry 4.0 initiatives for supply chain sustainability in emerging economies. Chemical Engineering Research and Design, 2018, 117, 168-179.	2.7	536
3	Scientific and technical development of Russia's high-tech companies in the context of introducing the conception "Industry 4.0―and the digital economy development. SHS Web of Conferences, 2018, 55, 01020.	0.1	2
4	Integration of Small and Medium Enterprises for Industry 4.0 in the South African Water Services Sector: A Case Study for Johannesburg Water. , 2018 , , .		3
5	Industry 4.0 Implementation Barriers in Small and Medium Sized Enterprises: A Focus Group Study. , 2018, , .		54
6	Formalisation of Problem and Domain Definition for Agent Oriented Smart Factory (AOSF). , 2018, , .		5
7	The Impact of Industry 4.0 on Supply Chains in Engineer-to-Order Industries - An Exploratory Case Study. IFAC-PapersOnLine, 2018, 51, 122-127.	0.5	48
8	Co-Evolution of the University Technology Transfer: Towards a Sustainability-Oriented Industry: Evidence from Italy. Sustainability, 2018, 10, 4675.	1.6	16
9	Sustainable Industrial Value Creation in SMEs: A Comparison between Industry 4.0 and Made in China 2025. International Journal of Precision Engineering and Manufacturing - Green Technology, 2018, 5, 659-670.	2.7	174
10	Industry 4.0 and Sustainability Implications: A Scenario-Based Analysis of the Impacts and Challenges. Sustainability, 2018, 10, 3740.	1.6	351
11	A Perspective for the Implementation of a Path Towards the Factory of the Future: The Italian Case. , 2018, , .		5
12	Industry 4.0 in Management Studies: A Systematic Literature Review. Sustainability, 2018, 10, 3821.	1.6	320
13	What Drives the Implementation of Industry 4.0? The Role of Opportunities and Challenges in the Context of Sustainability. Sustainability, 2018, 10, 247.	1.6	596
14	Consequences of Industry 4.0 in Business and Economics. Economies, 2018, 6, 46.	1.2	119
15	The Direction of Industry: A Literature Review on Industry 4.0. Proceedings of the Design Society International Conference on Engineering Design, 2019, 1, 2129-2138.	0.6	33
16	A place-based policy for promoting Industry 4.0: the case of the Castellon ceramic tile district. European Planning Studies, 2019, 27, 1838-1856.	1.6	45
17	Role of real-time information-sharing through SaaS: An industry 4.0 perspective. International Journal of Information Management, 2019, 49, 301-315.	10.5	20
18	Smart and Sustainable eMaintenance: Capabilities for Digitalization of Maintenance. Sustainability, 2019, 11, 3553.	1.6	37

#	Article	IF	CITATIONS
19	Digital Manufacturing Platforms in the Industry 4.0 from Private and Public Perspectives. Applied Sciences (Switzerland), 2019, 9, 2934.	1.3	63
20	Enabling Technologies of Industry 4.0 and Their Global Forerunners: An Empirical Study of the Web of Science Database. Communications in Computer and Information Science, 2019, , 3-13.	0.4	6
21	Adoption of digital technologies of smart manufacturing in SMEs. Journal of Industrial Information Integration, 2019, 16, 100107.	4.3	123
22	A Low-Cost Vision-Based Monitoring of Computer Numerical Control (CNC) Machine Tools for Small and Medium-Sized Enterprises (SMEs). Sensors, 2019, 19, 4506.	2.1	32
23	Industry 4.0: A bibliometric review of its managerial intellectual structure and potential evolution in the service industries. Technological Forecasting and Social Change, 2019, 149, 119752.	6.2	145
24	Learning from failures in business model innovation: solving decision-making logic conflicts through intrapreneurial effectuation. Journal of Business Economics, 2019, 89, 1097-1147.	1.3	27
25	Erfolgreiche Konzepte und Handlungsempfehlungen f $\tilde{A}^{1}\!\!/_{\!\!4}$ r digitale Gesch $\tilde{A}^{\!\!4}$ tsmodellinnovationen. Edition HMD, 2019, , 201-219.	0.1	1
26	Mass Personalization with Industry 4.0 by SMEs: a concept for collaborative networks. Procedia Manufacturing, 2019, 28, 135-141.	1.9	73
27	Marketing Innovations in Industry 4.0 and Their Impacts on Current Enterprises. Applied Sciences (Switzerland), 2019, 9, 3685.	1.3	14
28	Revolution 4.0: Industry vs. Agriculture in a Future Development for SMEs. Processes, 2019, 7, 36.	1.3	227
29	Standardizing Innovation Management: An Opportunity for SMEs in the Aerospace Industry. Processes, 2019, 7, 282.	1.3	13
30	Driving forces and barriers of Industry 4.0: Do multinational and small and medium-sized companies have equal opportunities?. Technological Forecasting and Social Change, 2019, 146, 119-132.	6.2	660
31	Impact of business model innovations on SME's innovativeness and performance. Baltic Journal of Management, 2019, 14, 521-539.	1.2	22
32	Digital Twins Approach and Future Knowledge Management Challenges: Where We Shall Need System Integration, Synergy Analyses and Synergy Measurements?. Communications in Computer and Information Science, 2019, , 271-281.	0.4	7
33	Antecedents to Digital Platform Usage in Industry 4.0 by Established Manufacturers. Sustainability, 2019, 11, 1121.	1.6	39
34	Quality Control in the Context of Industry 4.0. Springer Proceedings in Mathematics and Statistics, 2019, , 177-187.	0.1	19
35	Contextual Impacts on Industrial Processes Brought by the Digital Transformation of Manufacturing: A Systematic Review. Sustainability, 2019, 11, 891.	1.6	97
36	Business model innovation in small- and medium-sized enterprises. Journal of Manufacturing Technology Management, 2019, 30, 1127-1142.	3.3	158

#	Article	IF	Citations
37	Drivers and Barriers in Using Industry 4.0: A Perspective of SMEs in Romania. Processes, 2019, 7, 153.	1.3	124
38	Evaluating the Factors that are Affecting the Implementation of Industry 4.0 Technologies in Manufacturing MSMEs, the Case of Peru. Processes, 2019, 7, 161.	1.3	21
39	Supply Chain Design for the Industrial Internet of Things and the Industry 4.0. SSRN Electronic Journal, $0, , .$	0.4	4
40	Industrial revitalization via industry 4.0 \hat{a} \in A comparative policy analysis among China, Germany and the USA. Global Transitions, 2019, 1, 3-14.	1.6	67
41	Modeling and Optimization for Automobile Mixed Assembly Line in Industry 4.0. Journal of Control Science and Engineering, 2019, 2019, 1-10.	0.8	14
43	Reviewing Literature on Digitalization, Business Model Innovation, and Sustainable Industry: Past Achievements and Future Promises. Sustainability, 2019, 11, 391.	1.6	350
44	Knowledge transfer and organizational performance and business process: past, present and future researches. Business Process Management Journal, 2019, 25, 2-9.	2.4	68
45	Dynamic capabilities in Italian leading SMEs adopting industry 4.0. Measuring Business Excellence, 2019, 23, 472-483.	1.4	53
46	Internet of things adoption: a typology of projects. International Journal of Operations and Production Management, 2019, 40, 849-872.	3.5	23
47	Industry 4.0: coherent definition framework with technological and organizational interdependencies. Journal of Manufacturing Technology Management, 2019, 31, 837-862.	3.3	71
48	The impacts of Industry 4.0: a descriptive survey in the Italian manufacturing sector. Journal of Manufacturing Technology Management, 2019, 31, 1085-1115.	3.3	52
49	Factors affecting the adoption of cloud of things. Journal of Systems and Information Technology, 2019, 21, 397-418.	0.8	24
50	Building blocks for the development of an IoT business model. Journal of Strategy and Management, 2019, 13, 15-32.	1.9	6
51	Cloud manufacturing issues and its adoption: past, present, and future. International Journal of Management Concepts and Philosophy, 2019, 12, 168.	0.1	8
52	Lessons learned from Industry 4.0 implementation in the German manufacturing industry. Journal of Manufacturing Technology Management, 2019, 31, 977-997.	3.3	201
53	Digital supply chain model in Industry 4.0. Journal of Manufacturing Technology Management, 2019, 31, 887-933.	3.3	151
54	How manufacturing firm characteristics can influence decision making for investing in Industry 4.0 technologies. Journal of Manufacturing Technology Management, 2019, 31, 1117-1141.	3.3	64
55	Corporate survival in Industry 4.0 era: the enabling role of lean-digitized manufacturing. Journal of Manufacturing Technology Management, 2019, 31, 1-30.	3.3	230

#	Article	IF	CITATIONS
56	Management of Industry 4.0 – reviewing intrinsic and extrinsic adoption drivers and barriers. International Journal of Technology Management, 2019, 81, 210.	0.2	23
57	A Proposed Secure Mobile Money Transfer System for SME in Bangladesh: An Industry 4.0 Perspective. , 2019, , .		7
59	Consumo residencial: uma proposta de modelo de neg \tilde{A}^3 cio para medidores inteligentes. Revista Produ \tilde{A} § \tilde{A} £o Online, 2019, 19, 1094-1117.	0.1	1
60	Contributions of Industry 4.0 to quality management - A SCOR perspective. IFAC-PapersOnLine, 2019, 52, 1236-1241.	0.5	20
61	Assessing the barriers to Industry 4.0 implementation from a workers' perspective. IFAC-PapersOnLine, 2019, 52, 2189-2194.	0.5	60
62	Barriers and Critical Success Factors for Implementing Lean Manufacturing in SMEs. IFAC-PapersOnLine, 2019, 52, 565-570.	0.5	35
63	How Can Organisations and Business Models Lead to a More Sustainable Society? A Framework from a Systematic Review of the Industry 4.0. Sustainability, 2019 , 11 , 6363 .	1.6	40
64	Development of a Risk Framework for Industry 4.0 in the Context of Sustainability for Established Manufacturers. Sustainability, 2019, 11, 384.	1.6	256
65	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.	6.2	554
66	Industry 4.0 technologies: Implementation patterns in manufacturing companies. International Journal of Production Economics, 2019, 210, 15-26.	5.1	1,453
67	Vertical and horizontal integration systems in Industry 4.0. Wireless Networks, 2020, 26, 4767-4775.	2.0	42
68	The Role of ICT in SMBs Growth: An Analysis of ICT Intervention at Different Levels of Small Businesses Lifecycle. EAI/Springer Innovations in Communication and Computing, 2020, , 129-137.	0.9	0
69	EAI International Conference on Technology, Innovation, Entrepreneurship and Education. EAI/Springer Innovations in Communication and Computing, 2020, , .	0.9	0
70	Impact of Industry 4.0 on Occupational Health and Safety. Advances in Intelligent Systems and Computing, 2020, , 40-52.	0.5	8
71	Industry 4.0 as an enabler of sustainability diffusion in supply chain: an analysis of influential strength of drivers in an emerging economy. International Journal of Production Research, 2020, 58, 1505-1521.	4.9	230
72	Cleaning Tasks Knowledge Transfer Between Heterogeneous Robots: a Deep Learning Approach. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 98, 191-205.	2.0	5
73	Industrial internet of things business models in the machine-to-machine context. Industrial Marketing Management, 2020, 84, 298-311.	3.7	74
74	Identification of critical success factors, risks and opportunities of Industry 4.0 in SMEs. International Journal of Production Research, 2020, 58, 1384-1400.	4.9	262

#	Article	IF	CITATIONS
75	The relevance of Industry 4.0 and its relationship with moving manufacturing out, back and staying at home. International Journal of Production Research, 2020, 58, 2953-2973.	4.9	69
76	A smart manufacturing adoption framework for SMEs. International Journal of Production Research, 2020, 58, 1555-1573.	4.9	106
77	Smart factory performance and Industry 4.0. Technological Forecasting and Social Change, 2020, 150, 119790.	6.2	349
78	Industry 4.0, digitization, and opportunities for sustainability. Journal of Cleaner Production, 2020, 252, 119869.	4.6	828
79	Critical factors for the successful implementation of Industry 4.0: a review and future research direction. Production Planning and Control, 2020, 31, 799-815.	5.8	194
80	Implementation of Industry 4.0 concept in companies: empirical evidences. International Journal of Computer Integrated Manufacturing, 2020, 33, 325-342.	2.9	89
81	The logic of innovative value proposition: A schema for characterizing and predicting business model evolution. Journal of Business Research, 2020, 112, 502-520.	5.8	15
82	Moving towards digitalization: a multiple case study in manufacturing. Production Planning and Control, 2020, 31, 143-157.	5.8	134
83	Improving innovation efficiency of emerging economies: The role of manufacturing. Managerial and Decision Economics, 2020, 41, 503-519.	1.3	12
84	IoT-Driven Business Model Innovation. Lecture Notes on Data Engineering and Communications Technologies, 2020, , 302-314.	0.5	3
85	Problems with the Implementation of Industry 4.0 in Enterprises from the SME Sector. Sustainability, 2020, 12, 217.	1.6	104
86	Business model innovation and growth of manufacturing SMEs: a social exchange perspective. Journal of Manufacturing Technology Management, 2020, 32, 290-312.	3.3	15
87	Participation in Group Companies as a Source of External Knowledge in Obtaining and Making Profitable Radical Innovations. Sustainability, 2020, 12, 7701.	1.6	1
88	Cross-disciplinary innovations by Taiwanese manufacturing SMEs in the context of Industry 4.0. Journal of Manufacturing Technology Management, 2020, 31, 1145-1168.	3.3	29
89	Application of industry 4.0 technologies in SMEs for ethical and sustainable operations: Analysis of challenges. Journal of Cleaner Production, 2020, 275, 124063.	4.6	226
90	An empirical evaluation of industry 4.0 applications of companies in Turkey: The case of a developing country. Technology in Society, 2020, 63, 101364.	4.8	42
91	Ecosystems 4.0: redesigning global value chains. International Journal of Logistics Management, 2021, 32, 1124-1149.	4.1	23
92	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.	5.8	52

#	Article	IF	CITATIONS
93	What matters in implementing the factory of the future. Journal of Manufacturing Technology Management, 2020, 32, 795-819.	3.3	33
94	An initial assessment of Lean Management methods for Industry 4.0. TQM Journal, 2020, 32, 587-601.	2.1	43
95	The digital transformation of SMEs $\hat{a} \in \hat{a}$ a new knowledge broker called the digital innovation hub. Journal of Knowledge Management, 2020, 24, 1263-1288.	3.2	113
96	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.	0.9	67
97	A paradigm of safety management in Industry 4.0. Systems Research and Behavioral Science, 2020, 37, 632-645.	0.9	43
98	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.	0.3	11
99	Industry 4.0 Implementation in B2B Companies: Cross-Country Empirical Evidence on Digital Transformation in the CEE Region. Sustainability, 2020, 12, 9538.	1.6	31
100	Fostering digital transformation of SMEs: a four levels approach. Management Decision, 2020, 58, 1543-1562.	2.2	145
101	Cost-driven motives to relocate manufacturing abroad among small- and medium-sized manufacturers. Journal of Manufacturing Technology Management, 2020, 32, 646-666.	3.3	7
102	Fourth industrial revolution, digital servitization and relationship quality in Italian B2B manufacturing firms. An exploratory study. TQM Journal, 2020, 32, 647-671.	2.1	45
103	Proposal guidelines to implement the concepts of industry 4.0 into information technology companies. TQM Journal, 2020, 32, 741-759.	2.1	17
104	Human capital and Al in industry 4.0. Convergence and divergence in social entrepreneurship in Russia. Journal of Intellectual Capital, 2020, 21, 565-581.	3.1	157
105	An Industry 4.0 maturity model for machine tool companies. Technological Forecasting and Social Change, 2020, 159, 120203.	6.2	72
106	Practical Application of the Industry 4.0 Concept in a Steel Company. Sustainability, 2020, 12, 5776.	1.6	83
107	Contributions of Industry 4.0 to lean management within the supply chain operations reference model. International Journal of Integrated Supply Management, 2020, 13, 74.	0.2	7
108	A Framework of Action for Implementation of Industry 4.0. an Empirically Based Research. Sustainability, 2020, 12, 5789.	1.6	12
109	CONCEPT COMPARISON: A FUNCTION INTEGRITY INDICATOR. Proceedings of the Design Society DESIGN Conference, 2020, 1, 1155-1164.	0.8	2
110	Cyber risk at the edge: current and future trends on cyber risk analytics and artificial intelligence in the industrial internet of things and industry 4.0 supply chains. Cybersecurity, 2020, 3, .	3.1	60

#	Article	IF	CITATIONS
111	Gender differences and business model experimentation in European SMEs. Journal of Business and Industrial Marketing, 2020, 35, 1205-1219.	1.8	27
112	Prerequisites and incentives for digital information sharing in Industry 4.0 – An international comparison across data types. Computers and Industrial Engineering, 2020, 148, 106733.	3.4	71
113	Blockchain for the future of sustainable supply chain management in Industry 4.0. Resources, Conservation and Recycling, 2020, 163, 105064.	5. 3	387
114	A topic-based patent analytics approach for exploring technological trends in smart manufacturing. Journal of Manufacturing Technology Management, 2020, 32, 110-135.	3.3	29
115	Supply Management Research. Advances in Supply Management, 2020, , .	0.2	0
116	Does Industry 4.0 really matter for SME innovation?. Journal of Small Business Management, 2022, 60, 1001-1028.	2.8	32
117	A Systematic Literature Review of Supply Chain Resilience in Small–Medium Enterprises (SMEs): A Call for Further Research. IEEE Transactions on Engineering Management, 2023, 70, 328-341.	2.4	31
118	Business Model Innovation in Established SMEs: A Configurational Approach. Journal of Open Innovation: Technology, Market, and Complexity, 2020, 6, 76.	2.6	49
119	Critical Success Factors of Industry 4.0 in Automotive Manufacturing Industry. IEEE Transactions on Engineering Management, 2022, 69, 2439-2453.	2.4	40
120	Preparing for Industry 4.0: digital business model innovation in the food and beverage industry. International Journal of Mechatronics and Manufacturing Systems, 2020, 13, 59.	0.1	6
121	Critical success factors in implementing Industry 4.0 from an organisational point of view: a literature analysis. International Journal of Advanced Operations Management, 2020, 12, 273.	0.3	8
122	Achieving Ambidexterity in Internationalization: Analysis of How SMEs Cope with Tensions between Organizational Agility–Efficiency. Journal of Open Innovation: Technology, Market, and Complexity, 2020, 6, 188.	2.6	4
123	Social capital and business model innovation in SMEs: do organizational learning capabilities and entrepreneurial orientation really matter?. European Journal of Innovation Management, 2020, 24, 191-212.	2.4	19
124	Prerequisites for the Implementation of Industry 4.0 in Manufacturing SMEs. Procedia Manufacturing, 2020, 51, 1215-1220.	1.9	20
125	Prioritization of important factors towards the status of industry 4.0 implementation utilizing AHP and ANP techniques. Benchmarking, 2020, 28, 695-720.	2.9	26
126	Open-Mindedness Culture, Knowledge-Sharing, Financial Performance, and Industry 4.0 in SMEs. Sustainability, 2020, 12, 9041.	1.6	29
127	The Emperor's New Clothes or an Enduring IT Fashion? Analyzing the Lifecycle of Industry 4.0 through the Lens of Management Fashion Theory. Sustainability, 2020, 12, 8828.	1.6	21
128	The Intrinsic Value of an Enterprise Determined by Means of the FCFE Tool. Sustainability, 2020, 12, 8868.	1.6	6

#	Article	IF	CITATIONS
129	Supporting the Sustainability of Natural Fiber-Based Value Chains of SMEs through Digitalization. Sustainability, 2020, 12, 8121.	1.6	5
130	Three characteristics of technology competition by IoT-driven digitization. Technological Forecasting and Social Change, 2020, 157, 120062.	6.2	38
131	Challenges and Driving Forces for Industry 4.0 Implementation. Sustainability, 2020, 12, 4208.	1.6	83
132	Strategic evaluation criteria to assess competitiveness of the service industry in Taiwan. Journal of Policy Modeling, 2020, 42, 1287-1309.	1.7	17
133	A qualitative study on industry 4.0 competitiveness in Turkey using Porter diamond model. Journal of Industrial Engineering and Management, 2020, 13, 266.	1.0	13
134	Dynamic capabilities for smart manufacturing transformation by manufacturing enterprises. Asian Journal of Technology Innovation, 2020, 28, 403-426.	1.7	33
135	Embracing Variety in Decision-Making Regarding Adoption of Industry 4.0. Administrative Sciences, 2020, 10, 30.	1.5	4
136	Influences of the Industry 4.0 Revolution on the Human Capital Development and Consumer Behavior: A Systematic Review. Sustainability, 2020, 12, 4035.	1.6	299
137	Industry 4.0 innovation ecosystems: An evolutionary perspective on value cocreation. International Journal of Production Economics, 2020, 228, 107735.	5.1	227
138	The Implementation of Industry 4.0 – A Systematic Literature Review of the Key Factors. Systems Research and Behavioral Science, 2020, 37, 557-578.	0.9	40
139	Taxonomy of Industry 4.0 research: Mapping scholarship and industry insights. Systems Research and Behavioral Science, 2020, 37, 535-556.	0.9	27
140	Value-Oriented and Ethical Technology Engineering in Industry 5.0: A Human-Centric Perspective for the Design of the Factory of the Future. Applied Sciences (Switzerland), 2020, 10, 4182.	1.3	230
141	Digital Transformation for Business Model Innovation in Higher Education: Overcoming the Tensions. Sustainability, 2020, 12, 4980.	1.6	49
142	Industry 4.0 in a Small Commodity-Based Economy: A Vehicle for Stimulating Innovation. Journal of Industrial Integration and Management, 2020, 05, 365-391.	3.1	7
143	Electroforming in the Industry 4.0 Era. Current Opinion in Electrochemistry, 2020, 20, 108-115.	2.5	10
144	Enabling technologies, application areas and impact of industry 4.0: a bibliographic analysis. Procedia Manufacturing, 2020, 42, 322-326.	1.9	60
145	The future of manufacturing: A Delphi-based scenario analysis on Industry 4.0. Technological Forecasting and Social Change, 2020, 157, 120092.	6.2	121
146	New Business Models for Sustainable Spare Parts Logistics: A Case Study. Sustainability, 2020, 12, 3071.	1.6	30

#	Article	IF	CITATIONS
147	Internet of things technologies, digital servitization and business model innovation in BtoB manufacturing firms. Industrial Marketing Management, 2020, 89, 245-264.	3.7	248
148	The influence of intelligent manufacturing on financial performance and innovation performance: the case of China. Enterprise Information Systems, 2020, 14, 812-832.	3.3	37
149	Are SMEs Ready for Industry 4.0 Technologies: An Exploratory Study of I 4.0 Technological Impacts. , 2020, , .		5
150	â€~Evolutions' and â€~revolutions' in manufacturers' implementation of industry 4.0: a literature review multiple case study, and a conceptual framework. Production Planning and Control, 2021, 32, 213-227.	w. a 5.8	73
151	The role of absorptive capacity and innovation strategy in the design of industry 4.0 business Models - A comparison between SMEs and large enterprises. European Management Journal, 2021, 39, 333-343.	3.1	210
152	Emerging regional innovation policies for industry 4.0: analyzing the digital innovation hub program in European regions. Competitiveness Review, 2021, 31, 106-129.	1.8	37
153	Modeling the Industry 4.0 adoption for sustainable production in Micro, Small & Enterprises. Journal of Cleaner Production, 2021, 279, 123489.	4. 6	93
154	Expected impact of industry 4.0 technologies on sustainable development: A study in the context of Brazil's plastic industry. Sustainable Production and Consumption, 2021, 25, 102-122.	5.7	117
155	The dissemination mechanisms of Industry 4.0 knowledge in traditional industrial districts:evidence from Italy. Competitiveness Review, 2021, 31, 27-53.	1.8	19
156	Industry 4.0: defining the research agenda. Benchmarking, 2021, 28, 1858-1882.	2.9	42
157	Analysis of readiness factors for Industry 4.0 implementation in SMEs using COPRAS. International Journal of Quality and Reliability Management, 2021, 38, 1178-1192.	1.3	35
158	Industry 4.0 adoption for sustainability in multi-tier manufacturing supply chain in emerging economies. Journal of Cleaner Production, 2021, 281, 125013.	4.6	112
159	The combined network effect of sparse and interlocked connections in SMEs' innovation. Technological Forecasting and Social Change, 2021, 163, 120488.	6.2	4
160	Motivations and challenges with the diffusion of additive manufacturing through a non-profit association. Journal of Manufacturing Technology Management, 2021, 32, 841-861.	3.3	10
161	Innovation in the Agriâ€Food sector: Exploiting opportunities for Industry 4.0. Creativity and Innovation Management, 2021, 30, 198-210.	1.9	24
162	Managing the barriers of Industry 4.0 adoption and implementation in textile and clothing industry: Interpretive structural model and triple helix framework. Computers in Industry, 2021, 125, 103372.	5.7	99
163	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.	1.8	20
164	Strategic Roadmapping Towards Industry 4.0 for Manufacturing SMEs. IFIP Advances in Information and Communication Technology, 2021, , 3-12.	0.5	4

#	Article	IF	Citations
165	Implementing Industry 4.0â€"The Need for a Holistic Approach. Studies in Computational Intelligence, 2021, , 3-14.	0.7	1
167	Assessment of Key Success Factors for Industry 4.0 Implementation in Manufacturing Industry using EDAS. International Journal of Innovations in Engineering and Science, 2021, 6, 1-11.	0.1	2
168	Digital University-SME Interaction for Business Development. Advances in E-Business Research Series, 2021, , 55-71.	0.2	0
169	Industry 4.0 skills: A perspective of the South African manufacturing industry. SA Journal of Human Resource Management, 0, 19, .	0.6	21
170	Clustering and Classification of Manufacturing Enterprises Regarding Their Industry 4.0 Reshoring Incentives. Procedia Computer Science, 2021, 180, 696-705.	1.2	9
171	Global Value Chains in the Era of 4IR: New Paradigm of Business Models for SMEs. Chinese Business Review, 2021, 20, .	0.3	0
172	Development of New Skills: Innovation and Sustainability in Industry 4.0. Encyclopedia of the UN Sustainable Development Goals, 2021, , 212-221.	0.0	0
173	â€~Teaching an Old Dog New Tricks': A Comparative Study on Solutions for Connectivity of Legacy Machinery. Lecture Notes in Electrical Engineering, 2021, , 387-401.	0.3	1
174	Toward SME 4.0: The Impact of Industry 4.0 Technologies on SMEs' Business Models. , 2021, , 293-343.		2
175	Lean First … then Digitalize: A Standard Approach for Industry 4.0 Implementation in SMEs. IFIP Advances in Information and Communication Technology, 2021, , 31-39.	0.5	5
176	Ten years of SOHOMA Workshop Proceedings: A Bibliometric Analysis and Leading Trends. Studies in Computational Intelligence, 2021, , 151-168.	0.7	0
177	Monitoring on a shoestring: Low cost solutions for digital manufacturing. Annual Reviews in Control, 2021, 51, 374-391.	4.4	22
178	Innovations in Industry as a Factor of Structural Changes in the Economy: Russian Experience. SHS Web of Conferences, 2021, 110, 01051.	0.1	0
179	Examining the Impact of Industry 4.0 on Labor Market in Pakistan. , 2021, , 1-11.		7
180	Barriers and Facilitators in Applying Industry 4.0 in Small and Medium Enterprises (SMEs) Owned by Graduate Entrepreneurs in Malaysia., 2021,, 185-210.		0
181	Interregional Cooperation in the Field of Infrastructural Arrangement of the Economic Space of the South of Russia as an Integration Form of the Manifestation of General Globalization Processes. Lecture Notes in Networks and Systems, 2021, , 2170-2178.	0.5	0
182	Online Buyers and Open Innovation: Security, Experience, and Satisfaction. Journal of Open Innovation: Technology, Market, and Complexity, 2021, 7, 37.	2.6	19
183	Prioritization of strategies to overcome the barriers in Industry 4.0: a hybrid MCDM approach. Opsearch, 2021, 58, 711-750.	1.1	40

#	Article	IF	CITATIONS
184	Industrial Convergence and Industrial Crisis: A Situational Analysis About Precision Medicine During the Covid-19 Pandemic. IEEE Transactions on Engineering Management, 2023, 70, 1456-1467.	2.4	8
186	How Industry 4.0 Changes the Value Co-Creation Process. , 2021, , 97-112.		0
187	Green Work-Life Balance and Global Leadership in Industry 4.0. Advances in Human Resources Management and Organizational Development Book Series, 2021, , 200-216.	0.2	0
188	Identification of cause and effect relationships among barriers of Industry 4.0 using decision-making trial and evaluation laboratory method. Benchmarking, 2021, 28, 2407-2431.	2.9	36
189	Filling the void of family leadership: institutional support to business model changes in the Italian Industry 4.0 experience. Journal of Technology Transfer, 2022, 47, 213-241.	2.5	11
190	Corporate Sustainability: Impact Factors on Organizational Innovation in the Industrial Area. Sustainability, 2021, 13, 1979.	1.6	18
191	Easing Up Transition: A Strategic Roadmap Toward Industry 4.0., 2021, , 215-234.		2
192	Digitalization as a Game-Changer: A Study on Swedish Video Game Industry. , 0, , .		0
193	The Use of Digital Media for Marketing, CSR Communication and Stakeholder Engagement. , 2021, , 161-174.		47
194	Industry 4.0 technology provision: the moderating role of supply chain partners to support technology providers. Supply Chain Management, 2022, 27, 89-112.	3.7	47
195	Applying Industry 4.0 technologies in the COVID–19 sustainable chains. International Journal of Productivity and Performance Management, 2021, 70, 988-1016.	2.2	81
196	Industry 4.0 technologies: critical success factors for implementation and improvements in manufacturing companies. Production Planning and Control, 2023, 34, 139-158.	5.8	85
197	Potentials of industry 4.0 for supply chain management within the triple bottom line of sustainability – A systematic literature review. Journal of Cleaner Production, 2021, 289, 125612.	4.6	165
198	Family Influence and Digital Business Model Innovation: The Enabling Role of Dynamic Capabilities. Entrepreneurship Theory and Practice, 2021, 45, 867-905.	7.1	91
199	The Impact of Force Factors on the Benefits of Digital Transformation in Romania. Applied Sciences (Switzerland), 2021, 11, 2365.	1.3	13
200	Grasp the Challenge of Digital Transition in SMEsâ€"A Training Course Geared towards Decision-Makers. Education Sciences, 2021, 11, 151.	1.4	20
201	The effect of the COVID-19 crisis on the perception of digitisation in the purchasing process: customers and retailers perspective. Journal of Entrepreneurship in Emerging Economies, 2021, 13, 628-647.	1.5	12
202	Digital transformation success under Industry 4.0: a strategic guideline for manufacturing SMEs. Journal of Manufacturing Technology Management, 2021, 32, 1533-1556.	3.3	113

#	Article	IF	CITATIONS
203	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.	1.4	22
204	An empirical study of real-time information-receiving using industry 4.0 technologies in downstream operations. Technological Forecasting and Social Change, 2021, 165, 120551.	6.2	10
205	The Role of Human Resource Practices for the Development of Operator 4.0 in Industry 4.0 Organisations: A Literature Review and a Research Agenda. Businesses, 2021, 1, 18-33.	0.8	26
207	The influence of IIoT on manufacturing network coordination. Journal of Manufacturing Technology Management, 2021, 32, 1144-1166.	3.3	14
208	Big data-enabled large-scale group decision making for circular economy: An emerging market context. Technological Forecasting and Social Change, 2021, 166, 120607.	6.2	56
209	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.	1.1	13
210	A microfoundational perspective on SMEs' growth in the digital transformation era. Journal of Business Research, 2021, 129, 382-392.	5.8	79
211	The impact of digital technologies on business models. Insights from the space industry. Measuring Business Excellence, 2022, 26, 64-80.	1.4	5
212	A Conceptual Model for Deploying E-Service in SMEs through Capability Building: A Comparative Case Study., 0, , .		0
213	Torn between digitized future and context dependent past – How implementing †Industry 4.0' production technologies could transform the German textile industry. Technological Forecasting and Social Change, 2021, 166, 120620.	6.2	48
214	Critical Factors of Industry 4.0 Implementation in an Emerging Country: Empirical Study. Future Internet, 2021, 13, 137.	2.4	7
215	Making or breaking the business case of digital transformation initiatives: the key role of learnings. Journal of Manufacturing Technology Management, 2022, 33, 41-60.	3.3	13
216	Proactive market orientation and business model innovation to attain superior new smart connected products performance. Journal of Business and Industrial Marketing, 2022, 37, 497-508.	1.8	4
217	Customer participation in new product development: an Industry 4.0 perspective. European Journal of Innovation Management, 2022, 25, 637-655.	2.4	15
218	A panoramic view and swot analysis of artificial intelligence for achieving the sustainable development goals by 2030: progress and prospects. Applied Intelligence, 2021, 51, 6497-6527.	3.3	75
219	Deep drill-down analysis for failures detection in the production line. , 2021, , .		1
220	KOBİ'lerin Endüstri 4.0 Hazırlık Süreci: Bir Meta-Sentez Çalışması. Afyon Kocatepe Ünive Bilimler Dergisi, 2021, 23, 624-641.	rsitesi Sos 0.5	yal 1
221	AOSR 2.0: A Novel Approach and Thorough Validation of an Agent-Oriented Storage and Retrieval WMS Planner for SMEs, under Industry 4.0. Future Internet, 2021, 13, 155.	2.4	7

#	Article	IF	CITATIONS
222	Event-Driven Interoperable Manufacturing Ecosystem for Energy Consumption Monitoring. Energies, 2021, 14, 3620.	1.6	13
223	Industry 4.0 and business models: a bibliometric literature review. Business Process Management Journal, 2021, 27, 1633-1655.	2.4	26
224	From technological development to social advance: A review of Industry 4.0 through machine learning. Technological Forecasting and Social Change, 2021, 167, 120653.	6.2	71
225	The severity and effects of Cyber-breaches in SMEs: a machine learning approach. Enterprise Information Systems, 0, , 1-27.	3.3	7
226	A review of logistics Internet-of-Things: Current trends and scope for future research. Journal of Industrial Information Integration, 2021, 22, 100194.	4.3	67
227	The antecedents of 4.0 technologies: an analysis of European patent data. Economics of Innovation and New Technology, 2023, 32, 414-431.	2.1	6
228	The partial mediating role of supply chain integration between Industry 4.0 and supply chain performance. Supply Chain Management, 2022, 27, 538-559.	3.7	20
229	Examining the development of a digital ecosystem in an Industry 4.0 context: a sociotechnical perspective. SN Business & Economics, 2021, 1 , 1 .	0.6	4
230	IoT Technologies as Instruments for SMEs' Innovation and Sustainable Growth. Sustainability, 2021, 13, 6357.	1.6	18
231	How does intelligent manufacturing affects enterprise innovation? The mediating role of organisational learning. Enterprise Information Systems, 2022, 16, 630-667.	3.3	14
232	Assessing the level of digital maturity of enterprises in the Central and Eastern European countries using the MCDM and Shannon's entropy methods. PLoS ONE, 2021, 16, e0253965.	1.1	15
233	Conceptualised Visualisation of Extended Agent Oriented Smart Factory (xAOSF) Framework with Associated AOSR-WMS System. Journal of Software, 0, , 182-199.	0.6	1
234	Openness to Industry 4.0 and performance: The impact of barriers and incentives. Technological Forecasting and Social Change, 2021, 168, 120756.	6.2	59
235	Tracking the maturity of industry 4.0: the perspective of a real scenario. International Journal of Advanced Manufacturing Technology, 2021, 116, 2161-2181.	1.5	20
236	Advanced manufacturing technology adoption and innovation: A systematic literature review on barriers, enablers, and innovation types. Research Policy, 2021, 50, 104229.	3.3	72
237	Industry 4.0: Latent Dirichlet Allocation and clustering based theme identification of bibliography. Engineering Applications of Artificial Intelligence, 2021, 103, 104280.	4.3	13
238	Developing an interplay among the psychological barriers for the adoption of industry 4.0 phenomenon. PLoS ONE, 2021, 16, e0255115.	1.1	13
239	Prioritization of barriers for Industry 4.0 adoption in the context of Indian manufacturing industries using AHP and ANP analysis. International Journal of Computer Integrated Manufacturing, 2021, 34, 1139-1161.	2.9	20

#	Article	IF	CITATIONS
240	Digital transformation of business model in manufacturing companies: challenges and research agenda. Journal of Business and Industrial Marketing, 2022, 37, 748-767.	1.8	43
241	Smart retrofitting in manufacturing: A systematic review. Journal of Cleaner Production, 2021, 312, 127555.	4.6	43
242	Customer relationship management (CRM) and Innovation: A qualitative comparative analysis (QCA) in the search for improvements on the firm performance in winery sector. Technological Forecasting and Social Change, 2021, 169, 120838.	6.2	23
243	Open innovation in SMEs: A process view towards business model innovation. Journal of Small Business Management, 2023, 61, 2519-2560.	2.8	35
244	Performance indicators for the blue economy. Australian Journal of Maritime and Ocean Affairs, 0, , 1-22.	1.1	2
245	Modelling the electroforming process: significance and challenges. Transactions of the Institute of Metal Finishing, 2021, 99, 299-305.	0.6	2
246	Digital servitization and sustainability through networking: Some evidences from IoT-based business models. Journal of Business Research, 2021, 132, 507-516.	5.8	83
247	Governance of Industry 4.0 policies: making knowledge services accessible for SMEs. Regional Studies, 2021, 55, 1839-1850.	2.5	7
248	Modeling the Influence of Information Systems on Sustainable Business Performance and Competitiveness. Sustainability, 2021, 13, 9619.	1.6	7
249	Industry 4.0 technologies usage: motives and enablers. Journal of Manufacturing Technology Management, 2021, 32, 323-345.	3.3	17
250	Global value chain breadth and firm productivity: the enhancing effect of Industry 4.0. Journal of Manufacturing Technology Management, 2022, 33, 785-804.	3.3	21
251	PILLARS IN THE MAKING, INDUSTRY 4.0 ON THE HORIZON. International Journal of the Analytic Hierarchy Process, 2021, 13, .	0.2	0
252	Understanding AI adoption in manufacturing and production firms using an integrated TAM-TOE model. Technological Forecasting and Social Change, 2021, 170, 120880.	6.2	161
253	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.	3.3	50
254	External knowledge search, opportunity recognition and industry 4.0 adoption in SMEs. International Journal of Production Economics, 2021, 240, 108234.	5.1	62
255	Prior knowledge, industry 4.0 and digital servitization. An inductive framework. Technological Forecasting and Social Change, 2021, 171, 120963.	6.2	37
256	Foreign subsidiaries as vehicles of industry 4.0: The case of foreign subsidiaries in a post-transition economy. International Business Review, 2021, 30, 101886.	2.6	8
257	Towards ESCO 4.0 \hat{a} \in 1s the European classification of skills in line with Industry 4.0? A text mining approach. Technological Forecasting and Social Change, 2021, 173, 121177.	6.2	23

#	Article	IF	Citations
258	Industry 4.0 and servitisation: Regional patterns of 4.0 technological transformations in Europe. Technological Forecasting and Social Change, 2021, 173, 121164.	6.2	21
259	Risk Prediction of Digital Transformation of Manufacturing Supply Chain Based on Principal Component Analysis and Backpropagation Artificial Neural Network. AEJ - Alexandria Engineering Journal, 2022, 61, 775-784.	3.4	27
260	Towards a data science platform for improving SME collaboration through Industry 4.0 technologies. Technological Forecasting and Social Change, 2022, 174, 121242.	6.2	55
261	Collaborations for Digital Transformation: Case Studies of Industry 4.0 in Brazil. IEEE Transactions on Engineering Management, 2023, 70, 2404-2418.	2.4	23
262	Digital transformation in family-owned Mittelstand firms: A dynamic capabilities perspective. European Journal of Information Systems, 2021, 30, 676-711.	5.5	117
263	Business Strategy for Sustainable Development in the Digital Era: Green Management. Contributions To Finance and Accounting, 2021, , 99-120.	0.3	0
264	The Impact of Industry 4.0 on the Business Models of Small and Medium Enterprises: A Systematic Literature Review. Lecture Notes in Computer Science, 2021, , 356-367.	1.0	0
266	The impact of Operations and IT-related Industry 4.0 key technologies on organizational resilience. Production Planning and Control, 2022, 33, 1417-1431.	5.8	55
267	The Development of Servitization Concept in the Era of Industry 4.0 Through SCM Perspective. , 2021, , 336-358.		0
268	Industry 4.0 in the Context of the Triple Bottom Line of Sustainability. , 2021, , 131-151.		2
269	Key Enablers of Industry 4.0 Development at Firm Level: Findings From an Emerging Economy. IEEE Transactions on Engineering Management, 2023, 70, 400-416.	2.4	27
270	Digital Transformation Framework: Creating Sensing, Smart, Sustainable and Social (S^4) Organisations. , 0, , .		6
271	Computer-Aided Occupational Risk Assessment of Physical Workload in the Logistics 4.0. Advances in Intelligent Systems and Computing, 2020, , 378-390.	0.5	5
272	Implementing Industry 4.0 in SMEs: A Focus Group Study on Organizational Requirements. , 2020, , 251-277.		12
273	Innovative and Sustainable Food Business Models. Contributions To Management Science, 2020, , 189-221.	0.4	12
274	SMEs on the Way to the Smart World of Industry 4.0. Eurasian Studies in Business and Economics, 2020, , 139-156.	0.2	5
275	Industry 4.0 and Knowledge Management: A Review of Empirical Studies. Knowledge Management and Organizational Learning, 2020, , 19-52.	0.5	18
276	Coping with Technological Changes: Regional and National Preparedness in Face of Technical Change. , 2020, , 233-258.		1

#	Article	IF	Citations
277	Rapid Sales Growth Mechanisms and Profitability for Investment Product Manufacturing SMEs Through Pay-Per-X Business Models. IFIP Advances in Information and Communication Technology, 2020, , 402-415.	0.5	4
278	Drivers and barriers for Industry 4.0 readiness and practice: empirical evidence from small and medium-sized manufacturers. Production Planning and Control, 2021, 32, 811-828.	5.8	203
279	Relationship follows technology! How Industry 4.0 reshapes future buyer-supplier relationships. Journal of Manufacturing Technology Management, 2021, 32, 1245-1266.	3.3	24
280	Geographical approach of Industry 4.0 based on information and communication technologies at Hungarian enterprises in connection with industrial space. Hungarian Geographical Bulletin, 2020, 69, 99-117.	0.4	5
281	Decision-making trends in quality management: a literature review about Industry 4.0. Production, 0, 30, .	1.3	19
282	Future Knowledge Management Challenges: Digital Twins Approach and Synergy Measurements. Management Studies, 2020, 8, .	0.0	2
283	INDUSTRY 4.0 – ARE WE READY?. Polish Journal of Management Studies, 2018, 17, 232-248.	0.3	264
286	The Impact of Industry 4.0 on Export Market Orientation, Market Diversification, and Export Performance. Organizacija, 2020, 53, 227-244.	0.7	8
287	Knowledge management strategies in companies: Trends and the impact of Industry 4.0. Upravlenets, 2020, 11, 82-96.	0.2	13
288	Towards a Sustainable Model of Innovative Work Behaviors' Enhancement: The Mediating Role of Employability. Sustainability, 2020, 12, 159.	1.6	13
289	Critical Success Factors of the Project Management in Relation to Industry 4.0 for Sustainability of Projects. Sustainability, 2021, 13, 281.	1.6	63
290	INDUSTRY 4.0 CONCEPTS WITHIN THE CZECH SME MANUFACTURING SECTOR: AN EMPIRICAL ASSESSMENT OF CRITICAL SUCCESS FACTORS. Business: Theory and Practice, 2020, 21, 58-70.	0.8	29
291	PREDICTORS OF INDUSTRY 4.0 TECHNOLOGIES AFFECTING LOGISTIC ENTERPRISES' PERFORMANCE: INTERNATIONAL PERSPECTIVE FROM ECONOMIC LENS. Technological and Economic Development of Economy, 2020, 26, 1263-1283.	2.3	19
292	The Shift Towards a Digital Business Model. Advances in Business Strategy and Competitive Advantage Book Series, 2019, , 120-143.	0.2	18
293	Sustainable Supply Chain Management in the Era of Digitialization. Advances in Human Resources Management and Organizational Development Book Series, 2020, , 446-460.	0.2	23
294	Reflection of Digital Transformation on Corporate Sustainability and a Theoratical Perspective. Advances in E-Business Research Series, 2020, , 231-258.	0.2	2
295	The Development of Servitization Concept in the Era of Industry 4.0 Through SCM Perspective. Advances in E-Business Research Series, 2020, , 593-615.	0.2	5
296	How Industry 4.0 Changes the Value Co-Creation Process. Advances in Marketing, Customer Relationship Management, and E-services Book Series, 2020, , 21-36.	0.7	1

#	Article	IF	CITATIONS
297	Sustainable Innovation in Fashion Products. Advances in Marketing, Customer Relationship Management, and E-services Book Series, 2020, , 125-151.	0.7	1
298	Towards sustainability through Industry 4.0 and Society 5.0. International Review, 2020, , 48-54.	0.1	22
300	Becoming a Product-Service System Provider – A Maturity Model for Manufacturers. Lecture Notes in Information Systems and Organisation, 2021, , 169-184.	0.4	5
301	Industry 4.0: The Human Resource Perspective. , 2021, , 269-286.		O
302	Open Innovation for Digital Transformation in Low- and Medium-Tech SMEs: Analysis of Pre-competitive Collaborative Projects. Lecture Notes in Information Systems and Organisation, 2021, , 182-197.	0.4	3
304	Adoption of digital technologies during the COVID-19 pandemic: Lessons learned from collaborative Academia-Industry R&D case studies. , 2021, , .		3
305	Transformation of a rolling mill aggregate to a cyber physical production system: from sensor retrofitting to machine learning. Journal of Intelligent Manufacturing, 2022, 33, 493-518.	4.4	13
306	Modelling interactions of select enablers of Lean Six-Sigma considering sustainability implications: an integrated circular economy and Industry 4.0 perspective. Production Planning and Control, 2023, 34, 1020-1036.	5.8	17
307	Returns on digitisation in SMEsâ€"a systematic literature review. Journal of Small Business and Entrepreneurship, 2023, 35, 574-598.	3.0	16
308	Examining the Relationship between Information Systems, Sustainable SCM, and Competitive Advantage. Sustainability, 2021, 13, 11715.	1.6	6
309	How can open innovation support SMEs in the adoption of I4.0 technologies? An empirical analysis. R and D Management, 2022, 52, 615-632.	3.0	19
310	A resource-based view on SMEs regarding the transition to more sophisticated stages of industry 4.0. European Management Journal, 2022, 40, 778-792.	3.1	45
311	Integrating Industry 4.0 and circular economy: a review. Journal of Enterprise Information Management, 2022, 35, 885-917.	4.4	21
312	Understanding digital transformation in advanced manufacturing and engineering: A bibliometric analysis, topic modeling and research trend discovery. Advanced Engineering Informatics, 2021, 50, 101428.	4.0	56
313	Addressing the Impact of Fourth Industrial Revolution on South African Manufacturing Small and Medium Enterprises (SMEs). Sustainability, 2021, 13, 11703.	1.6	13
314	Analysis of barriers of cyber-physical system adoption in small and medium enterprises using interpretive ranking process. International Journal of Quality and Reliability Management, 2022, 39, 2323-2353.	1.3	13
315	Contemporary Development in E-Learning Education, Cloud Computing Technology & Computing Te	0.2	9
316	Development of New Skills: Innovation and Sustainability in Industry 4.0. Encyclopedia of the UN Sustainable Development Goals, 2019, , 1-10.	0.0	0

#	Article	IF	CITATIONS
317	Implementation of Pay-Per-Output Business Models and Advanced Automation Systems in Capital Goods Manufacturing SMEs. IFIP Advances in Information and Communication Technology, 2019, , 399-410.	0.5	1
318	Las Capacidades Dinámicas y la Orientación Emprendedora: Fuente de Innovación y Rentabilidad en la Pyme Mexicana. Small Business International Review, 2019, 3, 49-66.	1.1	3
319	Einfluss digitaler (Startup-)Technologien im Operations Management. , 2019, , 137-162.		0
321	Lieferantenintegration im Kontext von Industrie 4.0 — aktuelle Anforderungen an Lieferanten, Herausforderungen und mögliche Handlungsoptionen. Advances in Supply Management, 2019, , 171-185.	0.2	0
322	SME's versus "Industry 4.0― extended case study based on results of initial research in Polish conditions. Multidisciplinary Aspects of Production Engineering, 2019, 2, 305-314.	0.2	2
323	Servitization as a Startup Driver: A Case Study in a Technology Park. Springer Proceedings in Business and Economics, 2020, , 957-966.	0.3	1
324	PROPOSIÇÃO DE ESTRUTURA FLEXÃVEL PARA MODELOS DE NEGÓCIO IOT. , 0, , .		0
325	Digital Transformation Policy in Japan: the Case of Artificial Intelligence. Modernizaciâ, Innovaciâ, Razvitie, 2019, 10, 516-529.	0.1	7
326	Case Study Of Omnichannel Marketing in PT Arwana Citramulia Tbk. IPTEK Journal of Proceedings Series, 2019, .	0.0	0
327	Innovation and knowledge spillover: insights from the Ethiopian manufacturing industry. International Journal of Quality and Innovation, 2020, $1,1.$	0.3	0
328	The impact of digital transformation and industry 4.0 on the aspects of value: Evidence from a meta-synthesis. Contextus - Revista Contempor¢nea De Economia E Gestão, 0, 18, 92-106.	0.1	3
329	Industry 4.0 in a dualistic manufacturing sector – qualitative experiences from enterprises and their environment, Eastern Hungary. Hungarian Geographical Bulletin, 2020, 69, 157-174.	0.4	6
330	Do the Owners and Managers of Polish MSME's Recognize and Understand Properly the Challenges of "Industry 4.0�. Multidisciplinary Aspects of Production Engineering, 2020, 3, 405-421.	0.2	1
331	The Effect of Big Data Platforms on Multi-Stage Production System in Industrie 4.0. , 2020, , .		0
332	A Data Concept Map for the Data Driven Enterprise Using Smart Technologies. , 2020, , .		0
333	Make-in-India and Industry 4.0: technology readiness of select firms, barriers and socio-technical implications. TQM Journal, 2022, 34, 1485-1505.	2.1	14
334	Expected buyer-supplier relationships in the era of Industry 4.0 â€" an analysis across industry sectors. Advances in Supply Management, 2020, , 99-113.	0.2	1
335	Digital Tools and Information Needs Assessment for Efficient Deviation Handling in SMEs. Advances in Transdisciplinary Engineering, 2020, , .	0.1	0

#	Article	IF	CITATIONS
336	Sustainable Business Model Innovation vs. "Made in―for International Performance of Italian Food Companies. Agriculture (Switzerland), 2021, 11, 17.	1.4	1
338	¿CUÃNTO SE HA AVANZADO EN PROPORCIONAR ANALÃTICA E INTELIGENCIA DE NEGOCIOS A LAS PYMES?. Investigacion & Desarrollo, 2020, 19, 167-175.	0.3	3
339	Industry 4.0 in the Context of the Triple Bottom Line of Sustainability. Advances in Marketing, Customer Relationship Management, and E-services Book Series, 2020, , 1-20.	0.7	3
341	The Importance of a Techno-Economic Approach in Evaluating IoT Investment Opportunities. , 2020, , 57-74.		O
342	The Financial Function in Era 4.0. Advances in Finance, Accounting, and Economics, 2020, , 59-80.	0.3	0
343	Impacts on business models resulting from digitalization. , 2021, , .		1
344	Digital transformation: A systematic literature review. Computers and Industrial Engineering, 2021, 162, 107774.	3.4	41
345	The Current Status and Developing Trends of Industry 4.0: a Review. Information Systems Frontiers, 0, $_{\rm 1}$.	4.1	34
346	Lean and industry 4.0: Mapping determinants and barriers from a social, environmental, and operational perspective. Technological Forecasting and Social Change, 2022, 175, 121320.	6.2	32
347	Towards designing society 5.0 solutions: The new Quintuple Helix - Design Thinking approach to technology. Technovation, 2022, 113, 102413.	4.2	24
348	Industry 4.0, transition or addition in SMEs? A systematic literature review on digitalization for deviation management. International Journal of Advanced Manufacturing Technology, 2022, 119, 57-76.	1.5	9
349	Smart circular supply chains toÂachieving SDGs for post-pandemic preparedness. Journal of Enterprise Information Management, 2022, 35, 237-265.	4.4	16
350	Designing industry 4.0 implementation from the initial background and context of companies. Emerald Open Research, 0, 3, 27.	0.0	1
351	IMPACT OF TECHNOLOGY INVESTMENT ON FIRM'S PRODUCTION EFFICIENCY FACTOR IN MANUFACTURING. Journal of Business Economics and Management, 2020, 22, 135-155.	1.1	6
352	Accelerating Digital Transformation of the Russian Industry and Trade. , 2020, , .		2
353	Manufacturing system and enterprise management for Industry 4.0: Guest editorial. FME Transactions, 2021, 49, 769-772.	0.7	3
354	The successful implementation of industry 4.0 in manufacturing: An analysis and prioritization of risks in Irish industry. Technological Forecasting and Social Change, 2022, 175, 121394.	6.2	19
355	Combining ERP, Lean Philosophy and ICT: An Industry 4.0 Approach in an SME in the Manufacturing Sector in Spain. EMJ - Engineering Management Journal, 2022, 34, 655-670.	1.4	2

#	Article	IF	CITATIONS
356	A digital readiness check for the evaluation of supply chain aspects and company size for Industry 4.0. Journal of Manufacturing Technology Management, 2022, 33, 1-18.	3.3	33
357	Industry 4.0 policy from a sociotechnical perspective: The case of German competence centres. Technological Forecasting and Social Change, 2022, 175, 121341.	6.2	14
358	Risks and critical success factors in the internationalization of born global startups of industry 4.0: A social, environmental, economic, and institutional analysis. Technological Forecasting and Social Change, 2022, 175, 121346.	6.2	29
359	The Influence of Entrepreneurial Cognition on Business Model Innovation: A Hybrid Method Based on Multiple Regressions and Machine Learning. Frontiers in Psychology, 2021, 12, 744237.	1.1	9
360	Digital-Driven Business Model Innovation: The Role of Data in Changing Companies' Value Logic. , 2022, , 73-98.		1
361	Assessing the impact of industrial robots on manufacturing energy intensity in 38 countries. Energy Economics, 2022, 105, 105748.	5.6	110
363	Adoption of construction industry 4.0 among small and medium sized contractor in Malaysia. AIP Conference Proceedings, $2021, , .$	0.3	5
364	The Interrelationship Between IndustryÂ4.0 and Servitization in Manufacturing SMEs: The Case of the Basque Country. Future of Business and Finance, 2021, , 201-215.	0.3	1
365	If You Go for AI, Be Aware of the Psychological Hurdles Around Itâ€"Practical and Theoretical Insights on the Industrial Application of Artificial Intelligence. Future of Business and Finance, 2021, , 173-185.	0.3	1
367	Analysis of Sustainable Business Models: Exploratory Study in Two Brazilian Logistics Companies. Sustainability, 2022, 14, 694.	1.6	3
369	Industry 4.0 applications for sustainable manufacturing: A systematic literature review and a roadmap to sustainable development. Journal of Cleaner Production, 2022, 334, 130133.	4.6	103
370	Capabilities of digital servitization: Evidence from the socio-technical systems theory. Technological Forecasting and Social Change, 2022, 176, 121361.	6.2	39
371	Supporting Tool for The Transition of Existing Small and Medium Enterprises Towards Industry 4.0. , 2020, , .		3
372	Supporting Tools for Transition towards Industry 4.0: A Pressurized Cylinder Manufacturing Case Study. , 2020, , .		0
373	SWANEE: a MLaaS solution for digital transformation and value creation in public and private sector. , 2021, , .		0
374	Business Models in the Industry 4.0 Environmentâ€"Results of Web of Science Bibliometric Analysis. Journal of Open Innovation: Technology, Market, and Complexity, 2022, 8, 19.	2.6	20
375	Green Work-Life Balance and Global Leadership in Industry 4.0. , 2022, , 2121-2137.		0
376	Coordination mechanisms for digital and sustainable textile supply chain. International Journal of Productivity and Performance Management, 2023, 72, 1533-1559.	2.2	2

#	Article	IF	CITATIONS
377	How big data alters value creation: through the lens of big data competency. Management Decision, 2022, 60, 707-734.	2.2	10
378	Industry 4.0 enablers in retailing: aÂliterature review. International Journal of Retail and Distribution Management, 2022, 50, 816-838.	2.7	12
379	Implementing Industry 4.0 Technologies: Future Roles in Purchasing and Supply Management. SSRN Electronic Journal, 0, , .	0.4	0
380	A Fast and Scalable Algorithm for Prior Art Search. IEEE Access, 2022, 10, 7396-7407.	2.6	2
381	Organizational Culture: The Key to Improving Service Management in Industry 4.0. Applied Sciences (Switzerland), 2022, 12, 437.	1.3	8
382	Digital finance innovation in green manufacturing: a bibliometric approach. Environmental Science and Pollution Research, 2023, 30, 61340-61368.	2.7	16
383	Construction waste recycling: Enhancement strategies and organization size. Physics and Chemistry of the Earth, 2022, 126, 103114.	1.2	14
384	Are smart manufacturing systems beneficial for all SMEs? Evidence from Korea. Management Decision, 2022, 60, 1719-1743.	2.2	9
385	Understanding the adoption of Industry 4.0 technologies in improving environmental sustainability. Sustainable Operations and Computers, 2022, 3, 203-217.	6.3	149
386	Industry 4.0 and its geographies: A systematic literature review and the identification of new research avenues. Digital Geography and Society, 2022, 3, 100031.	1.4	10
387	Diagnóstico del Modelo de Negocios en la industria manufacturera de Ciudad Juárez: "Situación actual sobre su aplicación y caracterÃsticas que lo definen― Trascender Contabilidad Y GestiÓn, 2022, 7, 2-15.	0.1	0
388	Value Chain Analysis and Attractiveness of the Telecommunications Industry in Mongolia. SHS Web of Conferences, 2022, 135, 01024.	0.1	2
389	Start-ups' business model changes during the COVID-19 pandemic: Counteracting adversities and pursuing opportunities. International Small Business Journal, 2022, 40, 150-177.	2.9	32
390	Strategies for risk management in adopting Industry 4.0 concept in manufacturing industries. Journal of Science and Technology Policy Management, 2022, ahead-of-print, .	1.7	2
391	Investigating barriers to demand-driven SME collaboration in low-volume high-variability manufacturing. Supply Chain Management, 2022, 27, 265-282.	3.7	12
392	Toward a new era of cooperation: How industrial digital platforms transform business models in Industry 4.0. Journal of Business Research, 2022, 143, 387-405.	5.8	51
393	Innovative Industrial Use of Bamboo as Key "Green―Material. Sustainability, 2022, 14, 1955.	1.6	29
394	Opportunities and Limitations for the Digital Economy Development: case of the SME sector of Vietnam., 2021,,.		1

#	Article	IF	Citations
395	The Role of External Actors in SMEs' Human-Centered Industry 4.0 Adoption: An Empirical Perspective on Italian Competence Centers. IEEE Transactions on Engineering Management, 2024, 71, 1057-1072.	2.4	6
398	Strategic sustainable development of Industry 4.0 through the lens of social responsibility: The role of human resource practices. Business Strategy and the Environment, 2022, 31, 2068-2081.	8.5	70
399	Influence of Industry 4.0 Projects on Business Operations: Literature and Empirical Pilot Studies Based on Case Studies in Poland. Journal of Open Innovation: Technology, Market, and Complexity, 2022, 8, 44.	2.6	9
400	How Does Awareness Toward the Industry 4.0 Applications Affect Firms' Financial and Innovation Performance?. Journal of the Knowledge Economy, 2023, 14, 1900-1922.	2.7	3
401	Digital value creation in German SMEs $\hat{a} \in \hat{a}$ a return-on-investment analysis. Journal of Small Business and Entrepreneurship, 0, , 1-26.	3.0	9
402	Using Business Analytics for SME Business Model Transformation under Pandemic Time Pressure. Information Systems Frontiers, 2022, 24, 1145-1166.	4.1	13
403	Implementation Design In the Creation of Companies In the 4.0 Technology Era. Aptisi Transactions on Technopreneurship (ATT), 2022, 4, 87-106.	0.6	1
404	Applications of Wireless Sensor Networks and Internet of Things Frameworks in the Industry Revolution 4.0: A Systematic Literature Review. Sensors, 2022, 22, 2087.	2.1	232
405	A smart web of firms, farms and internet of things (IOT): enablingÂcollaboration-based business models in the agri-food industry. British Food Journal, 2022, 124, 1857-1874.	1.6	23
406	Assessment of the Competitiveness and Effectiveness of an Open Business Model in the Industry 4.0 Environment. Journal of Open Innovation: Technology, Market, and Complexity, 2022, 8, 57.	2.6	18
407	Digitalization of Small and Medium-Sized Enterprises and Economic Growth: Evidence for the EU-27 Countries. Journal of Open Innovation: Technology, Market, and Complexity, 2022, 8, 67.	2.6	21
408	Evaluation of Industry 4.0 Transformation Barriers for SMEs in Turkey. EskiÅŸehir Osmangazi Üniversitesi İktisadi Ve İdari Bilimler Dergisi, 2022, 17, 239-255.	0.1	6
409	A framework of sustainability drivers and externalities for Industry 4.0 technologies using the Best-Worst Method. Journal of Cleaner Production, 2022, 344, 130909.	4.6	43
410	How does e-commerce adoption impact micro, small, and medium enterprises' performance and financial inclusion? Evidence from Indonesia. Electronic Commerce Research, 0, , 1.	3.0	3
411	Extending the lean value stream mapping to the context of Industry 4.0: An agent-based technology approach. Journal of Manufacturing Systems, 2022, 63, 1-14.	7.6	43
412	Smart Production Workers in Terms of Creativity and Innovation: The Implication for Open Innovation: Journal of Open Innovation: Technology, Market, and Complexity, 2022, 8, 68.	2.6	25
413	Investigating the relationship among Industry 4.0 drivers, adoption, risks reduction, and sustainable organizational performance in manufacturing industries: An empirical study. Sustainable Production and Consumption, 2022, 31, 670-692.	5.7	22
414	How to Benefit from Balancing External Knowledge Acquisition? A Chinese EIT Industry Case. Technological Forecasting and Social Change, 2022, 178, 121587.	6.2	5

#	Article	IF	Citations
415	The process of business model innovation driven by IoT: Exploring the case of incumbent SMEs. Industrial Marketing Management, 2022, 103, 30-46.	3.7	34
416	Testing an adoption model for Industry 4.0 and sustainability: A Malaysian scenario. Sustainable Production and Consumption, 2022, 31, 313-330.	5.7	31
417	Measuring the fourth industrial revolution through the Industry 4.0 lens: The relevance of resources, capabilities and the value chain. Computers in Industry, 2022, 138, 103639.	5.7	26
418	Development and Implementation of Autonomous Quality Management System (AQMS) in an Automotive Manufacturing using Quality 4.0 Concept– A Case Study. Computers and Industrial Engineering, 2022, 168, 108121.	3.4	11
419	Designing industry 4.0 implementation from the initial background and context of companies. Emerald Open Research, 0, 3, 27.	0.0	0
420	Production and operations management for intelligent manufacturing: a systematic literature review. International Journal of Production Research, 2022, 60, 808-846.	4.9	46
421	Causal interactions among essential factors of Industry 4.0 innovation using DEMATEL technique in manufacturing industries. International Journal of Innovation Science, 2022, 14, 351-375.	1.5	3
422	Synergy Analysis of Knowledge Transfer for the Energy Sector within the Framework of Sustainable Development of the European Countries. Energies, 2022, 15, 276.	1.6	7
423	Mapping the Wave of Industry Digitalization by Co-Word Analysis: An Exploration of Four Disruptive Industries. International Journal of Innovation and Technology Management, 2022, 19, .	0.8	4
424	Exploring business model innovation in SMEs in a digital context: Organizing search behaviours, experimentation and decisionâ€making. Creativity and Innovation Management, 2022, 31, 19-34.	1.9	34
425	Quality Control 4.0: a way to improve the quality performance and engage shop floor operators. International Journal of Quality and Reliability Management, 2022, 39, 1471-1487.	1.3	6
426	Model of business risks and their impact on operational performance of SMEs. Economic Research-Ekonomska Istrazivanja, 2022, 35, 4047-4064.	2.6	1
427	Performance of Food and Non-Food SMIS Based on Marketing Entrepreneurs. International Journal of Economics Development Research (IJEDR), 2020, 1, 243-259.	0.1	1
428	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.	0.8	7
429	Knowledge mapping of research on Industry 4.0: A visual analysis using CiteSpace. Serbian Journal of Management, 2022, 17, 125-143.	0.4	0
431	How do the technological capability and strategic flexibility of an organization impact its successful implementation of Industry 4.0? AÂqualitative viewpoint. Benchmarking, 2023, 30, 924-949.	2.9	11
432	Analyzing the drivers of smart sustainable circular supply chain for sustainable development goals through stakeholder theory. Business Strategy and the Environment, 2022, 31, 3335-3353.	8.5	30
433	Identifying and prioritizing impediments of industry 4.0 to sustainable digital manufacturing: A mixed method approach. Journal of Cleaner Production, 2022, 356, 131639.	4.6	39

#	Article	IF	Citations
434	Drivers and barriers of Industry 4.0 technology adoption among manufacturing SMEs: a systematic review and transformation roadmap. Journal of Manufacturing Technology Management, 2022, 33, 1029-1058.	3.3	72
437	Current Perspectives on Development of Industry 4.0 in Logistics of Machinery and Equipment Industry in Slovakia. LOGI - Scientific Journal on Transport and Logistics, 2022, 13, 25-36.	0.5	1
438	Modelling the Scaling-Up of the Nickel Electroforming Process. Frontiers in Chemical Engineering, 2022, 4, .	1.3	1
439	Frameworks of the Maturity Model for Industry 4.0 with Assessment of Maturity Levels on the Example of the Segment of Steel Enterprises in Poland. Journal of Open Innovation: Technology, Market, and Complexity, 2022, 8, 77.	2.6	10
440	Industry 4.0 technologies adoption: barriers and their impact on Polish companies' innovation performance. European Planning Studies, 2023, 31, 1029-1049.	1.6	8
441	Deep Learning-Assisted Smart Process Planning, Robotic Wireless Sensor Networks, and Geospatial Big Data Management Algorithms in the Internet of Manufacturing Things. ISPRS International Journal of Geo-Information, 2022, 11 , 277 .	1.4	44
442	Investigation of Industry 4.0 in the Robotized Millennium. , 2022, 1, 15-21.		3
443	The Impact of Integration of Industry 4.0 and Internal Organizational Forces on Sustaining Competitive Advantages and Achieving Strategic Objectives. Sustainability, 2022, 14, 5841.	1.6	5
444	Enabling flexible manufacturing system (FMS) through the applications of industry 4.0 technologies. Internet of Things and Cyber-physical Systems, 2022, 2, 49-62.	4.6	41
445	On the road to Industry 4.0 in manufacturing clusters: the role of business support organisations. Competitiveness Review, 2022, 32, 760-776.	1.8	4
446	Industry 4.0 in the European union: Policies and national strategies. Technological Forecasting and Social Change, 2022, 180, 121664.	6.2	38
448	Industry 4.0 and the Emergent Business Models. Future of Business and Finance, 2022, , 119-210.	0.3	3
449	A new approach to identifying high-tech manufacturing SMEs with sustainable technological development: Empirical evidence. Journal of Cleaner Production, 2022, 363, 132322.	4.6	9
451	CHALLENGES TO THE PLANNING FUNCTION IN SMEs IN THE CONDITIONS OF DIGITAL TRANSFORMATION. , 0, , .		1
452	Examining smart manufacturing challenges in the context of micro, small and medium enterprises. International Journal of Computer Integrated Manufacturing, 2022, 35, 1395-1412.	2.9	11
453	Understanding how digital transformation can enable SMEs to achieve sustainable development: A systematic literature review. Small Business International Review, 2022, 6, e473.	1.1	12
454	Strategic Innovation Driven by Digital Transformation. Future of Business and Finance, 2022, , 1-48.	0.3	1
455	How organizational readiness for digital innovation shapes digital business model innovation in family businesses. International Journal of Entrepreneurial Behaviour and Research, 2023, 29, 49-79.	2.3	7

#	Article	IF	Citations
456	Sectoral Transformation of the Economic System during Crisis and Stable Growth Periods (A Case) Tj ETQq0 0 0	rgBT _{1.2} /Ove	rlogk 10 Tf 50
457	RPA Implementation and the Digitalization of Logistics Operations in the COVID-19 Era. Advances in Logistics, Operations, and Management Science Book Series, 2022, , 78-100.	0.3	3
458	The rise of the digital service economy in European regions. Industry and Innovation, 2023, 30, 637-663.	1.7	11
459	Acting in concert leads to success: how to implement Industry 4.0 effectively across companies. International Journal of Logistics Management, 2023, 34, 1245-1275.	4.1	4
461	Managing Privacy in B2B Marketing: A Systematic Literature Review. Journal of Computer Information Systems, 2023, 63, 574-591.	2.0	3
462	Paths toward advanced service-oriented business models: A configurational analysis of small- and medium-sized incumbent manufacturers. Technological Forecasting and Social Change, 2022, 182, 121774.	6.2	13
463	How can SMEs participate successfully in Industry 4.0 ecosystems?. , 2022, , 325-339.		1
465	Driving Factors and Mechanisms of AMT Application Levels for Equipment Manufacturing Enterprises: Based on Programmatic Grounded Theory. Sustainability, 2022, 14, 8415.	1.6	0
466	Industry 4.0 in food processing: drivers, challenges and outcomes. British Food Journal, 2022, 124, 375-390.	1.6	18
467	Governance, Standards and Regulation: What Construction and Mining Need to Commit to Industry 4.0. Buildings, 2022, 12, 1064.	1.4	14
468	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.	2.6	9
470	From knowledge broker to solution provider in the Industry 4.0 setting: the innovation path of a small consulting firm. Journal of Business and Industrial Marketing, 2023, 38, 1390-1406.	1.8	1
471	Operationalization of Critical Success Factors to Manage the Industry 4.0 Transformation of Manufacturing SMEs. Sustainability, 2022, 14, 8954.	1.6	4
472	The Impact Factors of Industry 4.0 on ESG in the Energy Sector. Sustainability, 2022, 14, 9198.	1.6	21
473	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.	1.3	8
474	Business Model Innovation between the embryonic and growth stages of industry lifecycle. Technovation, 2022, 117, 102592.	4.2	8
475	The influence of transformational leadership on organizational sustainability in the context of industry 4.0: Mediating role of innovative performance. Cogent Business and Management, 2022, 9, .	1.3	4
476	The Precipitative Effects of Pandemic on Open Innovation of SMEs: A Scientometrics and Systematic Review of Industry 4.0 and Industry 5.0. Journal of Open Innovation: Technology, Market, and Complexity, 2022, 8, 152.	2.6	28

#	Article	IF	CITATIONS
477	Model development for assessing inhibitors impacting Industry 4.0 implementation in Indian manufacturing industries: an integrated ISM-Fuzzy MICMAC approach. International Journal of Systems Assurance Engineering and Management, 2024, 15, 646-671.	1.5	8
478	Digitalisation of manufacturing operations: The influential role of organisational, social, environmental, and technological impediments. Expert Systems With Applications, 2023, 211, 118501.	4.4	14
479	Discovering Themes and Trends in Digital Transformation and Innovation Research. Journal of Theoretical and Applied Electronic Commerce Research, 2022, 17, 1162-1184.	3.1	12
480	Does Generation Matter for the Use of I4.0 Technologies? [*] ., 2022, , 97-120.		0
481	Making obsolescence obsolete: Execution of digital transformation in a high-tech manufacturing SME. Journal of Business Research, 2022, 152, 336-348.	5.8	8
482	A framework for identifying and analysing industry 4.0 scenarios. Journal of Manufacturing Systems, 2022, 65, 192-207.	7.6	13
483	Possible changes of Industry 4.0 in 2030 in the face of uberization: Results of a participatory and systemic foresight study. Technological Forecasting and Social Change, 2022, 184, 121962.	6.2	4
484	Managing Technological Obsolescence in a Digitally Transformed SME. IFIP Advances in Information and Communication Technology, 2022, , 133-139.	0.5	0
485	Identifying the Dynamics of Intangible Resources for Industry 4.0 Adoption Process. IEEE Access, 2022, 10, 101029-101041.	2.6	2
486	Does Industry 4.0 Matter to Automotive SME Suppliers? The Role of Advanced Digital Technologies in the Strategic Work of Firms in the Swedish Automotive Valley. IFIP Advances in Information and Communication Technology, 2022, , 118-125.	0.5	1
487	Assessment of organizational readiness for digital transformation in SMEs. Procedia Computer Science, 2022, 204, 362-369.	1.2	4
488	Has enterprise digital transformation improved the efficiency of enterprise technological innovation? A case study on Chinese listed companies. Mathematical Biosciences and Engineering, 2022, 19, 12632-12654.	1.0	29
489	Digital Technologies and Eco-Innovation. Evidence of the Twin Transition from Italian Firms. SSRN Electronic Journal, 0, , .	0.4	3
490	Industry 4.0: A Case Study on Strategy and Innovation in a Brazilian Auto Parts Company. IFIP Advances in Information and Communication Technology, 2022, , 85-92.	0.5	0
491	The Influence of Industry 4.0 Technology on the Organizational Culture of Companies. , 2022, 2022, 11-30.	0.0	0
492	Assessing Relations between Sustainable Business Models and Digital Transformation: A Bibliometric Analysis., 2022,,.		O
493	The effects of executives' overseas background on enterprise digital transformation: evidence from China. Chinese Management Studies, 2023, 17, 1053-1084.	0.7	8
494	The contribution of organizational culture, structure, and leadership factors in the digital transformation of SMEs: a mixed-methods approach. Cognition, Technology and Work, 2023, 25, 151-179.	1.7	16

#	ARTICLE	IF	Citations
495	Industry 4.0: the future of manufacturing from the perspective of business and economics $\hat{a} \in \hat{a}$ a bibliometric literature review. Competitiveness Review, 2023, 33, 458-482.	1.8	1
496	Blockchain-Enabled Open Quality System for Smart Manufacturing: Applications and Challenges. Sustainability, 2022, 14, 11677.	1.6	7
497	Demystifying xAOSF/AOSR Framework inÂtheÂContext ofÂDigital Twin andÂIndustry 4.0. Lecture Notes in Networks and Systems, 2023, , 600-610.	0.5	0
498	Competitiveness of Food Industry in the Era of Digital Transformation towards Agriculture 4.0. Sustainability, 2022, 14, 11779.	1.6	24
499	Industry 4.0 Implementation Framework for the Composite Manufacturing Industry. Journal of Composites Science, 2022, 6, 258.	1.4	3
500	Towards a Digital Factory in the Leather Goods Sector: The Case of an Italian Company. Lecture Notes in Mechanical Engineering, 2023, , 430-441.	0.3	1
501	Industry 4.0 in industrial district SMEs: understanding collective knowledge transfer by research and transfer institutes. Competitiveness Review, 2022, 32, 647-666.	1.8	3
502	Adoption of Industry 4.0 technologies by organizations: a maturity levels perspective. Annals of Operations Research, 0, , .	2.6	14
503	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.	2.1	6
504	Surround yourself with your betters: Recommendations for adopting Industry 4.0 technologies in SMEs. Digital Business, 2022, 2, 100046.	2.3	6
505	Program MBKM: Magang Industri di UMKM Marasoe. Jurnal Pengabdian Masyarakat Madani, 2022, 2, 124-136.	0.6	0
506	Success Mechanisms of Smart Factories in Small and Medium-Sized Enterprises. , 2022, , .		0
507	Linking Digital Capacity to Innovation Performance: the Mediating Role of Absorptive Capacity. Journal of the Knowledge Economy, 0, , .	2.7	14
508	Artificially Intelligent Super Computer Machines and Robotics: Apprehensions and Challenges – A Call for Responsible Innovation Framework. Artificial Intelligence, 0, , .	2.0	0
509	Training for managers not skilled in Industry 4.0 basis: what is the most suitable content to be covered?. Technology Analysis and Strategic Management, 0, , 1-14.	2.0	0
510	On Compatibility and Empirical Manifestation of Lean, Agile, and Service-Oriented Performers. Contributions To Management Science, 2023, , 251-279.	0.4	0
511	Barriers to adoption of industry 4.0 and sustainability: a case study with SMEs. International Journal of Computer Integrated Manufacturing, 2023, 36, 657-677.	2.9	14
512	Increasing Firm Performance through Industry 4.0—A Method to Define and Reach Meaningful Goals. Sci, 2022, 4, 39.	1.8	0

#	Article	IF	CITATIONS
513	Designing business models for Industry 4.0 technologies provision: Changes in business dimensions through digital transformation. Technological Forecasting and Social Change, 2022, 185, 122078.	6.2	14
514	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.	6.2	9
515	Examining the Impact of Industry 4.0 onÂLaborÂMarketÂinÂPakistan. , 2022, , 2207-2217.		0
516	Does regional innovation policy really work for Industry 4.0? Evidence for industrial districts. European Planning Studies, 2023, 31, 1358-1376.	1.6	7
517	Evaluating the adoption of e-banking services by SMEs in the common monetary area. International Journal of Research in Business and Social Science, 2022, 11, 202-212.	0.1	1
518	The Software Architecture Driving A Successful Digital Transformation within Small and Medium Enterprises. , 2022, , .		2
519	Technology adoption and upskilling in the wake of Industry 4.0. Technological Forecasting and Social Change, 2023, 187, 122085.	6.2	10
520	The Impact of Research and Development on Entrepreneurship, Innovation, Digitization and Digital transformation. Journal of Business Research, 2023, 157, 113566.	5.8	8
521	TEMAS DE DESTAQUE NA PESQUISA EM TRANSFORMAÇÃO DIGITAL: EVIDÊNCIAS DE ESTUDO BIBLIOMÉTR E ANÃŁISE DE CONTEÊDO. RAE Revista De Administracao De Empresas, 2022, 62, .	169	0
522	FEATURED TOPICS IN RESEARCH ON DIGITAL TRANSFORMATION: EVIDENCE FROM A BIBLIOMETRIC STUDY AND CONTENT ANALYSIS. RAE Revista De Administracao De Empresas, 2022, 62, .	0.1	1
523	3D-CUBE readiness model for industry 4.0: technological, organizational, and process maturity enablers. Production and Manufacturing Research, 2022, 10, 875-937.	0.9	5
524	Production Function Based on Input–Output and Growth Rate Indicators as a Tool for Assessment of Innovation Climate in Russian Regions. Economies, 2022, 10, 297.	1.2	1
525	Public Policies, Open Innovation Ecosystems and Innovation Performance. Analysis of the Impact of Funding and Regulations. Journal of Open Innovation: Technology, Market, and Complexity, 2022, 8, 210.	2.6	6
526	Digital Transformation as an Enabler to Become More Efficient in Sustainability: Evidence from Five Leading Companies in the Mexican Market. Sustainability, 2022, 14, 15436.	1.6	6
527	Driving Factors of Industry 4.0 Readiness among Manufacturing SMEs in Malaysia. Information (Switzerland), 2022, 13, 552.	1.7	8
528	Prioritising the determinants ofÂlndustry-4.0 for implementation in MSME in the post-pandemic period – a quality function deployment analysis. TQM Journal, 2023, 35, 2181-2202.	2.1	2
529	Information technology adoption by small and medium enterprises: a meta-analysis. Journal of Small Business and Entrepreneurship, 2023, 35, 632-655.	3.0	2
530	Assessing the Industry 4.0 European divide through the country/industry dichotomy. Computers and Industrial Engineering, 2023, 176, 108925.	3.4	4

#	ARTICLE	IF	CITATIONS
531	A big-data-driven matching model based on deep reinforcement learning for cotton blending. International Journal of Production Research, 2023, 61, 7573-7591.	4.9	4
532	Artificial Intelligence and the UK Construction Industry – Empirical Study. EMJ - Engineering Management Journal, 0, , 1-14.	1.4	2
533	Innovating to survive in competitive markets: business model innovation of Chinese digital businesses. International Journal of Innovation Science, 2024, 16, 1-18.	1.5	1
534	Analysis of Critical Factors for the Entrepreneurship in Industries of the Future Based on DEMATEL-ISM Approach. Sustainability, 2022, 14, 16812.	1.6	4
535	Driving Industrial Digital Transformation. Journal of Computer Information Systems, 0, , 1-17.	2.0	1
536	How the Core Technologies of Industry 4.0 are Changing the Automotive Industry in the World, with a Focus on China. IOP Conference Series: Materials Science and Engineering, 2022, 1271, 012017.	0.3	0
537	Food 4.0 for competing during the COVID-19 pandemic: experimenting digitalization inÂfamily firms. European Journal of Innovation Management, 2022, ahead-of-print, .	2.4	1
538	Dördüncü Sanayi Devrimi ve KOBİ'lerin Dijital Dönüşümü.,0,,.		0
539	Efficient Secure Routing Mechanisms for the Low-Powered IoT Network: A Literature Review. Electronics (Switzerland), 2023, 12, 482.	1.8	12
540	Challenges and Opportunities of Digitalization in Mexico. , 2023, , 451-474.		2
541	Cross-Country Comparative Analysis of Digital Manufacturing Systems. , 2023, , 165-196.		0
542	Individual Characteristics as Enablers of Construction Employees' Digital Literacy: An Exploration of Leaders' Opinions. Sustainability, 2023, 15, 1531.	1.6	9
543	Artificial intelligence in service industries: customers' assessment of service production and resilient service operations. International Journal of Production Research, 0, , 1-17.	4.9	12
544	Development and application of an Integrated Business Model framework to describe the digital transformation of manufacturing - a bibliometric analysis. Production and Manufacturing Research, 2023, 11, .	0.9	2
545	Understanding Frugal Engineering for Equity: Exploring Convergence of Biological Designs and Social Innovations. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2023, 145, .	1.3	2
546	Assessment of Industry 4.0 Adoption for Sustainability in Small and Medium Enterprises: A Fermatean Approach., 2023,, 187-212.		3
547	Adoption of industry 4.0 evidence in emerging economy: Behavioral reasoning theory perspective. Technological Forecasting and Social Change, 2023, 188, 122317.	6.2	22
548	Digital technology and business model innovation: A systematic literature review and future research agenda. Technological Forecasting and Social Change, 2023, 188, 122307.	6.2	56

#	Article	IF	CITATIONS
549	Merging two revolutions: A human-artificial intelligence method to study how sustainability and Industry 4.0 are intertwined. Technological Forecasting and Social Change, 2023, 188, 122265.	6.2	14
550	Managerial capabilities as facilitators of digital transformation? Dynamic managerial capabilities as antecedents to digital business model transformation and firm performance. Digital Business, 2023, 3, 100053.	2.3	18
551	The Confluence of Lean Manufacturing and Industry 4.0: A Literature Review. , 2022, , .		1
552	The actors' role in industrial districts facing the challenge of technologies 4.0 between absorption and dissemination. European Planning Studies, 2023, 31, 1377-1396.	1.6	4
553	A Taxonomy Study on Key Dimensions Which May Help SMEs for Industry 4.0 Implementation. Journal of Industrial Integration and Management, 0, , 1-44.	3.1	1
554	Managerial ties, business model innovation & SME performance: Moderating role of environmental turbulence. Journal of Innovation & Knowledge, 2023, 8, 100329.	7.3	16
555	Industry 4.0 and Greek Enterprises before Economic Crisis: A Preliminary Research. Open Journal of Business and Management, 2023, 11, 376-399.	0.3	0
556	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.	2.6	1
557	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.	4.9	11
558	Technological innovation-enabling industry 4.0 paradigm: A systematic literature review. Technovation, 2023, 124, 102733.	4.2	13
559	Impact of digitalization on technological innovations in small and medium-sized enterprises (SMEs). Technological Forecasting and Social Change, 2023, 191, 122474.	6.2	33
560	Small steps for the big hit: A dynamic capabilities perspective on business networks and non-disruptive digital technologies in SMEs. Technological Forecasting and Social Change, 2023, 191, 122490.	6.2	7
561	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.	5.1	13
562	ICT industry innovation: Knowledge structure and research agenda. Technological Forecasting and Social Change, 2023, 189, 122361.	6.2	10
563	Machine Intelligence and Autonomous Robotic Technologies in the Corporate Context of SMEs: Deep Learning and Virtual Simulation Algorithms, Cyber-Physical Production Networks, and Industry 4.0-Based Manufacturing Systems. Applied Sciences (Switzerland), 2023, 13, 1681.	1.3	16
564	Barriers and opportunities of digital servitization for SMEs: the effect of smart Product-Service System business models. Service Business, 2023, 17, 359-393.	2.2	11
565	From moon landing to metaverse: Tracing the evolution of Technological Forecasting and Social Change. Technological Forecasting and Social Change, 2023, 189, 122381.	6.2	29
566	Business value of SME digitalisation: when does it pay off more?. European Journal of Information Systems, 0, , 1-20.	5.5	6

#	ARTICLE	IF	CITATIONS
567	Design or Redesign Business Models' Innovation in the Digital Transformation Context., 2022,,.		0
568	Management and sustenance of digital transformations in the Irish microbusiness sector: examining the key role of microbusiness owner-manager. European Journal of Information Systems, 2023, 32, 409-433.	5.5	2
569	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.	1.6	3
570	Exploring innovation adoption behavior for sustainable development of Mediterranean tree crops. Frontiers in Sustainable Food Systems, 0, 7, .	1.8	3
571	Systematic literature review on technological transformation in SMEs: a transformation encompassing technology assimilation and business model innovation. Management Review Quarterly, 0, , .	5.7	8
572	An exploratory study of organisational and industry drivers for the implementation of emerging technologies in logistics. Industrial Management and Data Systems, 2023, 123, 1418-1439.	2.2	2
573	When Operation Technology Meets Information Technology: Challenges and Opportunities. Future Internet, 2023, 15, 95.	2.4	6
574	Developing an IoT Framework for Industry 4.0 in Malaysian SMEs: An Analysis of Current Status, Practices, and Challenges. Applied Sciences (Switzerland), 2023, 13, 3658.	1.3	5
575	The Role of Internet-of-Things for Service Transformation. SAGE Open, 2023, 13, 215824402311592.	0.8	1
576	Economic freedom influences economic growth and unemployment: an analysis of the Eurozone. Economic Research-Ekonomska Istrazivanja, 2023, 36, .	2.6	4
577	Impact of managerial skills and ties on business model innovation: theÂrole of exploitative and explorative learning. Leadership and Organization Development Journal, 2023, 44, 240-259.	1.6	4
578	Business models, dynamic capabilities and industry 4.0: A framework to explore this relationship. International Journal of Innovation and Technology Management, 0, , .	0.8	1
579	Big data em micro e pequenas empresas: uma revisão sistemática. GeSec, 2023, 14, 3420-3442.	0.1	0
580	THE DIGITAL TRANSFORMATION AND ITS IMPACT ON SMALL AND MEDIUM-SIZED ENTERPRISES. Entrepreneurship, 2022, 10, 7-18.	0.1	1
581	Exploring the relationships between Industry 4.0 implementation factors through systems thinking and network analysis. Systems Research and Behavioral Science, 2023, 40, 723-739.	0.9	2
582	Research on Ethical Issues and Coping Strategies of Artificial Intelligence Algorithms Recommending News with the Support of Wireless Sensing Technology. Journal of Sensors, 2023, 2023, 1-9.	0.6	0
583	Exploring how EU agri-food SMEs approach technology-driven business model innovation. International Food and Agribusiness Management Review, 2023, 26, 577-595.	0.8	1
585	Leveraging Digital Technologies in Logistics 4.0: Insights on Affordances from Intralogistics Processes. Information Systems Frontiers, 2024, 26, 755-774.	4.1	0

#	Article	IF	CITATIONS
586	A Systematic Literature Review of Digital Transformation of Manufacturing Enterprises: Bibliometric Analysis and Knowledge Framework. Lecture Notes in Business Information Processing, 2023, , 144-155.	0.8	1
587	Industry 5.0: Human touch and the future. , 2023, , .		0
590	A Smart Approach to In-House Analytics and Business Management 4.0. Environmental Footprints and Eco-design of Products and Processes, 2023, , 47-55.	0.7	1
591	Robotic Technology as the Basis of Implementation of Industry 4.0 in Production Processes in China. Lecture Notes in Networks and Systems, 2023, , 3-18.	0.5	0
600	Evaluation and identification of critical success factors for integrating and implementing lean, industry 4.0 and sustainability in Indian SME scenario. AIP Conference Proceedings, 2023, , .	0.3	0
605	Disentangling Firms' Drivers on Big Data Strategy Adoption: The Case of Thai Firms. , 2023, , .		0
614	Digitale Transformation und KÃ $\frac{1}{4}$ nstliche Intelligenz in Familienunternehmen. Springer Reference Wirtschaft, 2023, , 1-17.	0.1	0
618	Analysis of the Enterprise Supply Chain in This Modern Age—From Digital Transformation to Visualization and Sustainability. Applied Economics and Policy Studies, 2023, , 229-238.	0.0	0
620	A Study of Key Challenges in Implementation of Digital Supply Chain in the Context of Indian SMEs. Lecture Notes in Mechanical Engineering, 2023, , 23-32.	0.3	0
625	Integration Of Computational With Physical System Through Machine Learning. , 2023, , .		1
631	Digital Transition and Sustainable Development Goals: A Theoretical Reflection on the Impact of I4.0 Technologies. Lecture Notes in Mechanical Engineering, 2024, , 713-720.	0.3	0
633	Typology for Industrial Customers in the Subscription Economy. Progress in IS, 2023, , 153-161.	0.5	0
639	From Surviving to Thriving: Industry 5.0 at SMEs Enhancing Production Flexibility. IFIP Advances in Information and Communication Technology, 2023, , 789-802.	0.5	0
640	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.	0.7	15
647	The Productivity Leap: Effects of an Industry Program for Norwegian SMEs. IFIP Advances in Information and Communication Technology, 2023, , 97-108.	0.5	0
649	The Impact of Industry 4.0 on Supply Chain Resilience Management. IFIP Advances in Information and Communication Technology, 2023, , 107-120.	0.5	0
651	Identifying the Different Categories of IR4.0 Technology Usage Clusters Amongst Brunei Darussalam's MSMEs Using K-Means Approach. Advances in Information Security, Privacy, and Ethics Book Series, 2023, , 65-76.	0.4	0
661	The Quintuple Helix, Industrial 5.0, and Society 5.0. , 2023, , 317-336.		0

#	Article	IF	CITATIONS
674	Digital Innovation Hubs as Examples of Cooperation to Foster the Digital Skills of Employees in SMEs. Studies in Systems, Decision and Control, 2024, , 239-259.	0.8	0
684	Specifics of Collaboration in the Service Economy: Orientation to Multisided Platform-Based Networking. , 2024, , 219-260.		0
688	Sustainable Innovation in Fashion Products. , 2023, , 1480-1507.		0
695	Fourth Industrial Revolution and Firms' Digitalization. CSR, Sustainability, Ethics & Governance, 2023, , 23-43.	0.2	O
697	Harnessing The Power of Random Forest in Predicting Startup Partnership Success., 2023,,.		0
702	ЦÐ⁻ÐÐÐÐŽÐ'ÐÐ⁻ ТÐÐÐСÐÐŽÐМÐЦаÐ⁻ ПÐЕДПÐааТаЙ ÐЕГаЎÐÐлЬÐЎГЎ ÐПЊ:	ĐŸĐОЦ	Đ∙ Đ ¡ĐįĐĐ«Đ
708	How Can Higher Education Create, Deliver, and Capture Value Through Microlearning?. Advances in Higher Education and Professional Development Book Series, 2024, , 213-234.	0.1	0
719	Opportunities, Enablers, and Challenges of Smart Technologies and Al Adoption in SMEs. Advances in Business Information Systems and Analytics Book Series, 2024, , 194-210.	0.3	O