Smart manufacturing: Past research, present findings, a

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Citation Report

#	Article	IF	CITATIONS
1	Performance Prediction of a MongoDB-Based Traceability System in Smart Factory Supply Chains. Sensors, 2016, 16, 2126.	2.1	26
2	Collaborative Cloud Manufacturing: Design of Business Model Innovations Enabled by Cyberphysical Systems in Distributed Manufacturing Systems. Journal of Engineering (United States), 2016, 2016, 1-12.	0.5	29
3	From Embedded Systems (ES) to Cyber-Physical Systems (CPS): An Analysis of Transitory Stage of Automotive Manufacturing in the Industry 4.0 Scenario. , 0, , .		5
4	Applications of the Factory Design and Improvement Reference Activity Model. IFIP Advances in Information and Communication Technology, 2016, , 697-704.	0.5	4
5	Smart Manufacturing: Characteristics and Technologies. IFIP Advances in Information and Communication Technology, 2016, , 539-548.	0.5	12
6	An architecture based on IoT and CPS to organize and locate services. , 2016, , .		13
7	SMART Foundry 2020. IEEE Potentials, 2016, 35, 29-32.	0.2	7
8	Increase of effective management of technological processes of the mountain enterprise on the basis of the analysis of information on technogenic cycles. , $2016$ , , .		4
9	Practical Security Aspects of the Internet of Things. Springer Series in Advanced Manufacturing, 2017, , 225-242.	0.2	7
10	Sustainability aspects of a digitalized industry – A comparative study from China and Germany. International Journal of Precision Engineering and Manufacturing - Green Technology, 2017, 4, 227-234.	2.7	142
11	Fabrication of a SERS-encoded microfluidic paper-based analytical chip for the point-of-assay of wastewater. International Journal of Precision Engineering and Manufacturing - Green Technology, 2017, 4, 221-226.	2.7	23
12	Maintenance in digitalised manufacturing: Delphi-based scenarios for 2030. International Journal of Production Economics, 2017, 191, 154-169.	5.1	172
13	Business Model Engineering for Distributed Manufacturing Systems. Procedia CIRP, 2017, 62, 135-140.	1.0	8
14	Past, present and future of Industry 4.0 - a systematic literature review and research agenda proposal. International Journal of Production Research, 2017, 55, 3609-3629.	4.9	1,297
15	A big data analytics platform for smart factories in small and medium-sized manufacturing enterprises: An empirical case study of a die casting factory. International Journal of Precision Engineering and Manufacturing, 2017, 18, 1353-1361.	1.1	51
16	Applications of Cyber-Physical System: A Literature Review. Journal of Industrial Integration and Management, 2017, 02, 1750012.	3.1	105
17	The Transition Towards Industry 4.0: Business Opportunities and Expected Impacts for Suppliers and Manufacturers. IFIP Advances in Information and Communication Technology, 2017, , 119-126.	0.5	21
18	Industry 4.0: Evolution of the Research at the APMS Conference. IFIP Advances in Information and Communication Technology, 2017, , 39-47.	0.5	6

#	ARTICLE	IF	Citations
19	Smart operators in industry 4.0: A human-centered approach to enhance operators' capabilities and competencies within the new smart factory context. Computers and Industrial Engineering, 2017, 113, 144-159.	3.4	365
20	Exploiting Lean Benefits Through Smart Manufacturing: A Comprehensive Perspective. IFIP Advances in Information and Communication Technology, 2017, , 127-134.	0.5	16
21	Improvement Strategies for Manufacturers Using the MESA MOM Capability Maturity Model. IFIP Advances in Information and Communication Technology, 2017, , 21-29.	0.5	4
22	The Effect of Industry 4.0 Concepts and E-learning on Manufacturing Firm Performance: Evidence from Transitional Economy. IFIP Advances in Information and Communication Technology, 2017, , 298-305.	0.5	22
23	Molecular dynamics study of thermodynamic properties of nanoclusters for additive manufacturing. International Journal of Precision Engineering and Manufacturing - Green Technology, 2017, 4, 301-306.	2.7	29
24	Effective software solutions for 4D printing: A review and proposal. International Journal of Precision Engineering and Manufacturing - Green Technology, 2017, 4, 359-371.	2.7	31
25	3D printing: It's microfluidic functions and environmental impacts. International Journal of Precision Engineering and Manufacturing - Green Technology, 2017, 4, 323-334.	2.7	17
26	A review on 3D printed smart devices for 4D printing. International Journal of Precision Engineering and Manufacturing - Green Technology, 2017, 4, 373-383.	2.7	149
27	Review of 4D printing materials and their properties. International Journal of Precision Engineering and Manufacturing - Green Technology, 2017, 4, 349-357.	2.7	125
28	Potentials of additive manufacturing with smart materials for chemical biomarkers in wearable applications. International Journal of Precision Engineering and Manufacturing - Green Technology, 2017, 4, 335-347.	2.7	18
29	SUSTAINABLE INDUSTRIAL VALUE CREATION: BENEFITS AND CHALLENGES OF INDUSTRY 4.0. International Journal of Innovation Management, 2017, 21, 1740015.	0.7	434
30	The latest preload technology of machine tool spindles: A review. International Journal of Precision Engineering and Manufacturing, 2017, 18, 1669-1679.	1.1	12
31	Industrial Big Data in an Industry 4.0 Environment: Challenges, Schemes, and Applications for Predictive Maintenance. IEEE Access, 2017, 5, 23484-23491.	2.6	295
32	Investigation into the influence of feeding parameters on the formation of the fed-powder layer in a powder bed fusion (PBF) system. International Journal of Precision Engineering and Manufacturing, 2017, 18, 613-621.	1.1	16
33	From Intelligent Manufacturing to Smart Manufacturing for Industry 4.0 Driven by Next Generation Artificial Intelligence and Further On., 2017,,.		84
34	Big data as a promoter of industry 4.0: Lessons of the semiconductor industry. , 2017, , .		17
35	The business transformation towards smart manufacturing: a literature overview about reference models and research agenda. IFAC-PapersOnLine, 2017, 50, 14952-14957.	0.5	24
36	Development and analysis of an online tool condition monitoring and diagnosis system for a milling process and its real-time implementation. Journal of Mechanical Science and Technology, 2017, 31, 5695-5703.	0.7	18

#	Article	IF	CITATIONS
37	The value of 5G connectivity for maintenance in manufacturing industry. , 2017, , .		3
38	Application of core technologies for smart manufacturing: A case study of cost benefit analysis based on modeling and simulation for sustainability. , 2017, , .		1
39	Development of a Smart Sensor System using OPC UA. , 2017, , .		1
40	"Industrie 4.0―and Smart Manufacturing – A Review of Research Issues and Application Examples. International Journal of Automation Technology, 2017, 11, 4-16.	0.5	771
41	Additive Manufacturing, Cloud-Based 3D Printing and Associated Services—Overview. Journal of Manufacturing and Materials Processing, 2017, 1, 15.	1.0	33
42	Flexible Piezoresistive Sensors Embedded in 3D Printed Tires. Sensors, 2017, 17, 656.	2.1	40
43	A Cross-Strait Comparison of Innovation Policy under Industry 4.0 and Sustainability Development Transition. Sustainability, 2017, 9, 786.	1.6	108
44	Virtual remote inspection — A new concept for virtual reality enhanced real-time maintenance. , 2017, ,		23
45	Toward New-Generation Intelligent Manufacturing. Engineering, 2018, 4, 11-20.	3.2	373
46	The link between Industry 4.0 and lean manufacturing: mapping current research and establishing a research agenda. International Journal of Production Research, 2018, 56, 2924-2940.	4.9	536
47	How does Industry 4.0 contribute to operations management?. Journal of Industrial and Production Engineering, 2018, 35, 255-268.	2.1	151
48	Machine health management in smart factory: A review. Journal of Mechanical Science and Technology, 2018, 32, 987-1009.	0.7	85
49	When titans meet â€" Can industry 4.0 revolutionise the environmentally-sustainable manufacturing wave? The role of critical success factors. Technological Forecasting and Social Change, 2018, 132, 18-25.	6.2	621
50	IIHub: An Industrial Internet-of-Things Hub Toward Smart Manufacturing Based on Cyber-Physical System. IEEE Transactions on Industrial Informatics, 2018, 14, 2271-2280.	7.2	166
51	Industry 4.0 and the circular economy: a proposed research agenda and original roadmap for sustainable operations. Annals of Operations Research, 2018, 270, 273-286.	2.6	624
52	Contact angle control of sessile drops on a tensioned web. Applied Surface Science, 2018, 437, 329-335.	3.1	13
53	Fortune favors the prepared: How SMEs approach business model innovations in Industry 4.0. Technological Forecasting and Social Change, 2018, 132, 2-17.	6.2	721
54	Deep learning for smart manufacturing: Methods and applications. Journal of Manufacturing Systems, 2018, 48, 144-156.	7.6	1,052

#	Article	IF	CITATIONS
55	Smart manufacturing technology, market maturity analysis and technology roadmap in the computer and electronic product manufacturing industry. Technological Forecasting and Social Change, 2018, 133, 85-94.	6.2	125
56	Net Positive Manufacturing: A Restoring, Self-healing and Regenerative Approach to Future Industrial Development. Procedia Manufacturing, 2018, 21, 2-9.	1.9	6
57	Smart manufacturing. International Journal of Production Research, 2018, 56, 508-517.	4.9	783
58	A review of energy simulation tools for the manufacturing sector. Renewable and Sustainable Energy Reviews, 2018, 81, 895-911.	8.2	93
59	A hybrid simulation-based assessment framework of smart manufacturing systems. International Journal of Computer Integrated Manufacturing, 2018, 31, 115-128.	2.9	26
60	Data supply chain (DSC): research synthesis and future directions. International Journal of Production Research, 2018, 56, 4447-4466.	4.9	38
61	Design of smart connected manufacturing resources to enable changeability, reconfigurability and total-cost-of-ownership models in the factory-of-the-future. International Journal of Production Research, 2018, 56, 2269-2291.	4.9	39
62	Coloured Petri net-based active sensing system of real-time and multi-source manufacturing information for smart factory. International Journal of Advanced Manufacturing Technology, 2018, 94, 3427-3439.	1.5	21
63	A Systems Dynamics Enabled Real-Time Efficiency for Fuel Cell Data-Driven Remanufacturing. Journal of Manufacturing and Materials Processing, 2018, 2, 77.	1.0	7
64	Smart Hybrid Manufacturing Control Using Cloud Computing and the Internet-of-Things. Machines, 2018, 6, 62.	1.2	23
65	Enhancing Sustainability and Energy Efficiency in Smart Factories: A Review. Sustainability, 2018, 10, 4779.	1.6	90
66	Condition Monitoring of Industrial Machines Using Cloud Communication. , 2018, , .		2
67	Industry 4.0, How to Integrate Legacy Devices: A Cloud IoT Approach., 2018,,.		15
68	Automation of Project Publishing Process in Corporate Information System. , 2018, , .		1
69	A Bibliometric Multicriteria Model on Smart Manufacturing from 2011 to 2018. IFAC-PapersOnLine, 2018, 51, 1643-1648.	0.5	10
70	Augmented and virtual reality applications in industrial systems: A qualitative review towards the industry 4.0 era. IFAC-PapersOnLine, 2018, 51, 624-630.	0.5	122
71	Planning for Digitalisation in SMEs using Tools of the Digital Factory. Procedia CIRP, 2018, 72, 179-184.	1.0	29
72	Industry 4.0: a perspective based on bibliometric analysis. Procedia Computer Science, 2018, 139, 364-371.	1.2	63

#	Article	IF	Citations
73	Smart Factories: South Korean and Swedish examples on manufacturing settings. Procedia Manufacturing, 2018, 25, 471-478.	1.9	37
74	On the way to a smart factory for single-family wooden house builders in Sweden. Procedia Manufacturing, 2018, 25, 459-470.	1.9	6
75	Intelligent workpiece carrier for distributed data collection and control in manufacturing environments. Procedia Manufacturing, 2018, 24, 190-195.	1.9	7
76	A real-time cyber modeling approach in MTConnect-based cyber-physical production environment. Procedia CIRP, 2018, 72, 462-467.	1.0	3
77	Is Design Automation a Feasible Tool for Improving Efficiency in Production Planning and Manufacturing Processes?. Procedia Manufacturing, 2018, 25, 194-201.	1.9	2
78	A service-oriented middleware framework for manufacturing industry 4.0. ACM SIGBED Review, 2018, 15, 29-36.	1.8	29
79	Multidiscipline Integrated Platform Based on Probabilistic Analysis for Manufacturing Engineering Processes. Future Internet, 2018, 10, 70.	2.4	1
80	Specification of a Software Architecture for an Industry 4.0 Environment. , 2018, , .		3
81	Industry 4.0 and supply chain sustainability: framework and future research directions. Benchmarking, 2018, , .	2.9	142
82	A Conceptual Framework for the Selection of an "Industry 4.0―Application to Enhance the Operators' Safety: The Case of an Aseptic Bottling Line. , 2018, , .		6
84	Robonomics Based on Blockchain as a Principle of Creating Smart Factories. , 2018, , .		8
85	The application of CPS in library management: a survey. Library Hi Tech, 2018, 38, 117-131.	3.7	6
86	Cooperation Mechanism Design in Cloud Manufacturing Under Information Asymmetry. Communications in Computer and Information Science, 2018, , 477-483.	0.4	0
87	Manufacturing Execution System Specific Data Analysis-Use Case With a Cobot. IEEE Access, 2018, 6, 50245-50259.	2.6	8
88	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
89	The FaaS system using additive manufacturing for personalized production. Rapid Prototyping Journal, 2018, 24, 1486-1499.	1.6	32
90	Study on Process Monitoring of Elliptical Vibration Cutting by Utilizing Internal Data in Ultrasonic Elliptical Vibration Device. International Journal of Precision Engineering and Manufacturing - Green Technology, 2018, 5, 571-581.	2.7	18
91	The Platform of Intelligent Manufacturing System Based on Industry 4.0. IFIP Advances in Information and Communication Technology, 2018, , 350-354.	0.5	1

#	Article	IF	Citations
92	Upgrading Legacy Equipment to Industry 4.0 Through a Cyber-Physical Interface. IFIP Advances in Information and Communication Technology, 2018, , 3-10.	0.5	9
93	Towards a Platform for Smart Manufacturing Improvement Planning. IFIP Advances in Information and Communication Technology, 2018, , 378-385.	0.5	0
94	A framework for producing gbXML building geometry from Point Clouds for accurate and efficient Building Energy Modelling. Applied Energy, 2018, 224, 527-537.	5.1	27
95	Poster Abstract: IoT Platform for Engineering Education and Research (IoT PEER)-Applications in Secure and Smart Manufacturing., 2018, , .		10
96	The future of manufacturing industry: a strategic roadmap toward Industry 4.0. Journal of Manufacturing Technology Management, 2018, 29, 910-936.	3.3	839
97	Multi-agent Systems Approach to Industry 4.0: Enabling Collaboration Considering a Blockchain for Knowledge Representation. Communications in Computer and Information Science, 2018, , 149-160.	0.4	7
98	Fourth Industrial Revolution: Current Practices, Challenges, and Opportunities. , 0, , .		72
99	Absolute Distance Meter Operating on a Free-Running Mode-Locked Laser for Space Mission. International Journal of Precision Engineering and Manufacturing, 2018, 19, 975-981.	1.1	15
100	The Evolution of the Industry 4.0., 2018, , .		1
101	Smart Machining Process Using Machine Learning: A Review and Perspective on Machining Industry. International Journal of Precision Engineering and Manufacturing - Green Technology, 2018, 5, 555-568.	2.7	194
102	High Precision Reducers for Industrial Robots Driving 4th Industrial Revolution: State of Arts, Analysis, Design, Performance Evaluation and Perspective. International Journal of Precision Engineering and Manufacturing - Green Technology, 2018, 5, 519-533.	2.7	121
103	Smart textile based on FBG sensors for breath-by-breath respiratory monitoring: tests on women. , 2018, , .		12
104	Towards Digital Lean Cyber-Physical Production Systems: Industry 4.0 Technologies as Enablers of Leaner Production. IFIP Advances in Information and Communication Technology, 2018, , 353-362.	0.5	39
105	State of Industry 4.0 Across Six French Companies. , 2018, , .		2
106	Electroplating for Decorative Applications: Recent Trends in Research and Development. Coatings, 2018, 8, 260.	1,2	80
107	Evolution of MS Paradigms Through Industrial Revolutions. , 2018, , 17-42.		2
108	Electric utility 4.0: Trends and challenges towards process safety and environmental protection. Chemical Engineering Research and Design, 2018, 117, 593-605.	2.7	23
109	White paper on the future of plasma science for optics and glass. Plasma Processes and Polymers, 2019, 16, 1700250.	1,6	22

#	Article	IF	CITATIONS
110	A grey correlation based supply–demand matching of machine tools with multiple quality factors in cloud manufacturing environment. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 1025-1038.	3.3	26
111	Robotic quality control system for the components with complex shape. IOP Conference Series: Materials Science and Engineering, 2019, 516, 012003.	0.3	1
112	A Self-Protecting Control Application for IIoT., 2019,,.		2
113	A molecular dynamics study on cooling rate effect on atomic structure of solidified silver nanoparticles. European Physical Journal D, 2019, 73, 1.	0.6	3
114	Cloud manufacturing: key issues and future perspectives. International Journal of Computer Integrated Manufacturing, 2019, 32, 858-874.	2.9	71
115	Energy efficiency in discrete-manufacturing systems: Insights, trends, and control strategies. Journal of Manufacturing Systems, 2019, 52, 131-145.	7.6	76
116	Industry 4.0 Enhanced Lean Manufacturing., 2019,,.		11
117	Toward Intelligent Manufacturing Workshop Modeling and Validation of a Resource-Driven Mechanism-Based Info-Interconnect Model. Journal of Computing and Information Science in Engineering, 2019, 19, .	1.7	2
118	A Neural Network Model for Material Degradation Detection and Diagnosis Using Microscopic Images. IEEE Access, 2019, 7, 92151-92160.	2.6	14
119	Evaluating the Quality Surface Performance of Additive Manufacturing Systems: Methodology and a Material Jetting Case Study. Materials, 2019, 12, 995.	1.3	60
120	Simulation to Enable a Data-Driven Circular Economy. Sustainability, 2019, 11, 3379.	1.6	63
121	Exploring the Development of Research, Technology and Business of Machine Tool Domain in New-Generation Information Technology Environment Based on Machine Learning. Sustainability, 2019, 11, 3316.	1.6	10
122	Integrative simulation of information flows in manufacturing systems. Procedia CIRP, 2019, 81, 647-652.	1.0	4
123	Adoption of digital technologies of smart manufacturing in SMEs. Journal of Industrial Information Integration, 2019, 16, 100107.	4.3	123
124	Digitalization of a standard robot arm toward 4th industrial revolution. International Journal of Advanced Manufacturing Technology, 2019, 105, 2707-2720.	1.5	10
125	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
126	Development of Scalable On-Line Anomaly Detection System for Autonomous and Adaptive Manufacturing Processes. Applied Sciences (Switzerland), 2019, 9, 4502.	1.3	7
127	Business analytics in manufacturing: Current trends, challenges and pathway to market leadership. Operations Research Perspectives, 2019, 6, 100127.	1.2	18

#	Article	IF	CITATIONS
128	A Heuristic Rule Based on Complex Network for Open Shop Scheduling Problem With Sequence-Dependent Setup Times and Delivery Times. IEEE Access, 2019, 7, 140946-140956.	2.6	6
129	The Potential of Additive Manufacturing in the Smart Factory Industrial 4.0: A Review. Applied Sciences (Switzerland), 2019, 9, 3865.	1.3	230
130	Smart Manufacturing of 3D Printed Robots. , 2019, , .		1
131	Differentiating Blockchain Technology to optimize the Processes Quality in Industry 4.0., 2019, , .		11
132	Developing a self-organised Smart Tank Station for Electroplating Process Plant. , 2019, , .		0
133	Use of Redundancy in the Design of a Secure Software Defined Industrial Control Application. , 2019, , .		2
134	Industry 4.0 technologies basic network identification. Scientometrics, 2019, 121, 977-994.	1.6	48
135	Risk Assessment for Engagement in Sharing Economy of Manufacturing Enterprises: A Matter–Element Extension Based Approach. Sustainability, 2019, 11, 4774.	1.6	8
136	Predictive Maintenance of Machine Tool Systems Using Artificial Intelligence Techniques Applied to Machine Condition Data. Procedia CIRP, 2019, 80, 506-511.	1.0	110
137	A Grey Box Software Framework for Sustainability Assessment of Composed Manufacturing Processes: A Hybrid Manufacturing Case. Procedia CIRP, 2019, 80, 440-445.	1.0	2
138	An Overview of Next-generation Manufacturing Execution Systems: How important is MES for Industry 4.0?. Procedia Manufacturing, 2019, 30, 588-595.	1.9	64
139	Pathologies and Paradoxes of Co-Creation: A Contribution to the Discussion about Corporate Social Responsibility in Building a Competitive Advantage in the Age of Industry 4.0. Sustainability, 2019, 11, 4954.	1.6	20
140	A framework to classify Industry 4.0 technologies across production and product development. Procedia CIRP, 2019, 84, 973-978.	1.0	12
141	A Deformable Foam-Layered Triboelectric Tactile Sensor with Adjustable Dynamic Range. International Journal of Precision Engineering and Manufacturing - Green Technology, 2019, 6, 43-51.	2.7	25
142	Revolution 4.0: Industry vs. Agriculture in a Future Development for SMEs. Processes, 2019, 7, 36.	1.3	227
143	Leveraging the Capabilities of Industry 4.0 for Improving Energy Efficiency in Smart Factories. IEEE Access, 2019, 7, 18008-18020.	2.6	95
144	Artificial Intelligence powered Internet of Things and smart public service. Library Hi Tech, 2019, 38, 165-179.	3.7	27
145	Neuro-Symbolic Hybrid Systems for Industry 4.0: A Systematic Mapping Study. Communications in Computer and Information Science, 2019, , 455-465.	0.4	5

#	Article	IF	CITATIONS
146	Servitization strategy adoption: evidence from Italian manufacturing firms. EuroMed Journal of Business, 2019, 14, 123-136.	1.7	7
147	Industry 4.0 as a data-driven paradigm: a systematic literature review on technologies. Journal of Manufacturing Technology Management, 2019, 32, 570-592.	3.3	104
148	Barriers of embedding big data solutions in smart factories: insights from SAP consultants. Industrial Management and Data Systems, 2019, 119, 1147-1164.	2.2	22
149	A dynamic processing methodology of manufacturing data for the automated throughput analysis in cyber-physical production environment. Concurrent Engineering Research and Applications, 2019, 27, 155-169.	2.0	5
150	A Comprehensive Framework for the Analysis of Industry 4.0 Value Domains. Sustainability, 2019, 11, 2960.	1.6	28
151	Context-Aware Automation Based Energy Conservation Techniques for IoT Ecosystem. Studies in Systems, Decision and Control, 2019, , 129-153.	0.8	7
152	From a literature review to a conceptual framework of enablers for smart manufacturing control. International Journal of Advanced Manufacturing Technology, 2019, 104, 517-533.	1.5	40
153	Smart manufacturing systems: state of the art and future trends. International Journal of Advanced Manufacturing Technology, 2019, 103, 3751-3768.	1.5	143
154	Industry 4.0: Emerging themes and future research avenues using a text mining approach. Computers in Industry, 2019, 109, 100-113.	5.7	156
155	Technology foresight for digital manufacturing: Russian case. IOP Conference Series: Materials Science and Engineering, 2019, 497, 012062.	0.3	4
156	Data-Driven Methods for Predictive Maintenance of Industrial Equipment: A Survey. IEEE Systems Journal, 2019, 13, 2213-2227.	2.9	273
157	Assessing risks and threats with layered approach to Internet of Things security. Measurement and Control, 2019, 52, 338-353.	0.9	38
158	Integrating fuzzy Kano model and fuzzy analytic hierarchy process to evaluate requirements of smart manufacturing systems. Concurrent Engineering Research and Applications, 2019, 27, 201-212.	2.0	11
159	Antecedents to Digital Platform Usage in Industry 4.0 by Established Manufacturers. Sustainability, 2019, 11, 1121.	1.6	39
160	Research Trends in Sustainable Manufacturing: A Review and Future Perspective based on Research Databases. International Journal of Precision Engineering and Manufacturing - Green Technology, 2019, 6, 809-819.	2.7	43
161	Implementation of R&D Results and Industry 4.0 Influenced by Selected Macroeconomic Indicators. Applied Sciences (Switzerland), 2019, 9, 1846.	1.3	8
162	An open source approach to the design and implementation of Digital Twins for Smart Manufacturing. International Journal of Computer Integrated Manufacturing, 2019, 32, 366-384.	2.9	97
163	A Multi-Objective and Multi-Dimensional Optimization Scheduling Method Using a Hybrid Evolutionary Algorithms with a Sectional Encoding Mode. Sustainability, 2019, 11, 1329.	1.6	13

#	Article	IF	CITATIONS
164	Characterization of a Soft Pressure Sensor on the Basis of Ionic Liquid Concentration and Thickness of the Piezoresistive Layer. IEEE Sensors Journal, 2019, 19, 6076-6084.	2.4	21
165	A Dynamic Scheduling Method for Logistics Tasks Oriented to Intelligent Manufacturing Workshop. Mathematical Problems in Engineering, 2019, 2019, 1-18.	0.6	18
166	The role of big data analytics in industrial Internet of Things. Future Generation Computer Systems, 2019, 99, 247-259.	4.9	234
167	Applying Blockchain in Industry 4.0 Applications. , 2019, , .		74
168	Defining a Cyber Resilience Investment Strategy in an Industrial Internet of Things Context. Sensors, 2019, 19, 138.	2.1	18
169	A Comprehensive Technological Survey on the Dependable Self-Management CPS: From Self-Adaptive Architecture to Self-Management Strategies. Sensors, 2019, 19, 1033.	2.1	18
170	Evaluation of the Relation between Lean Manufacturing, Industry 4.0, and Sustainability. Sustainability, 2019, 11, 1439.	1.6	133
171	A Mobile Solution for Augmenting a Manufacturing Environment with User-Generated Annotations. Information (Switzerland), 2019, 10, 60.	1.7	12
172	Designing Interactive Tools for Learning in the Digital Age. Lecture Notes in Electrical Engineering, 2019, , 109-119.	0.3	0
173	The Role of Green Attributes in Production Processes as Well as Their Impact on Operational, Commercial, and Economic Benefits. Sustainability, 2019, 11, 1294.	1.6	9
174	Cloud manufacturing: challenges, recent advances, open research issues, and future trends. International Journal of Advanced Manufacturing Technology, 2019, 102, 3613-3639.	1.5	48
175	Modeling the internet of things adoption barriers in food retail supply chains. Journal of Retailing and Consumer Services, 2019, 48, 154-168.	5.3	210
176	Green Activity-Based Costing Production Planning and Scenario Analysis for the Aluminum-Alloy Wheel Industry under Industry 4.0. Sustainability, 2019, 11, 756.	1.6	15
177	Improving Energy Efficiency in Discrete Parts Manufacturing System Using an Ultra-Flexible Job Shop Scheduling Algorithm. International Journal of Precision Engineering and Manufacturing - Green Technology, 2019, 6, 349-365.	2.7	24
178	A framework with revised rough-DEMATEL to capture and evaluate requirements for smart industrial product-service system of systems. International Journal of Production Research, 2019, 57, 7104-7122.	4.9	36
179	Industry 4.0: coherent definition framework with technological and organizational interdependencies. Journal of Manufacturing Technology Management, 2019, 31, 837-862.	3.3	71
180	Smart Industry or Smart Bubbles? A Critical Analysis of Its Perceived Value. Advanced Series in Management, 2019, , 1-20.	0.8	6
182	Lean Smart Manufacturing in Taiwan—Focusing on the Bicycle Industry. Journal of Open Innovation: Technology, Market, and Complexity, 2019, 5, 79.	2.6	12

#	Article	IF	CITATIONS
183	Laboratory of Intelligent Operational Decisions: A Proposal for Learning Digital and Smart Manufacturing Concepts. , 2019, , .		2
184	A Method Towards Smart Manufacturing Capabilities and Performance Measurement. Procedia Manufacturing, 2019, 39, 851-858.	1.9	9
185	Towards Autonomic Educational Cyber Physical Systems. , 2019, , .		3
186	OPC UA based Universal Edge Gateway for Legacy Equipment. , 2019, , .		10
187	Collaborative Networks: A Pillar of Digital Transformation. Applied Sciences (Switzerland), 2019, 9, 5431.	1.3	79
188	Realâ€time data collection to improve energy efficiency: A case study of food manufacturer. Journal of Food Processing and Preservation, 2022, 46, e14338.	0.9	23
189	Fractal modeling of Cyber physical production system using multi-agent systems. , 2019, , .		4
190	A Qualitative Study of Industry 4.0 Use Cases and their Implementation in Electronics Manufacturing. , 2019, , .		1
191	Advances in Industrial Robotics: From Industry 3.0 Automation to Industry 4.0 Collaboration. , 2019, , .		34
192	Smart Health and Safety Equipment Monitoring System for Distributed Workplaces. Computers, 2019, 8, 82.	2.1	4
193	Digitalization in Semiconductor Manufacturing- Simulation Forecaster Approach in Managing Manufacturing Line Performance. Procedia Manufacturing, 2019, 38, 1330-1337.	1.9	8
194	Use Case of Artificial Intelligence in Machine Learning Manufacturing 4.0., 2019, , .		7
195	A Study on Human-Robot Collaboration based Hybrid Assembly System for Flexible Manufacturing. , 2019, , .		5
196	A collaborative approach to resilient and antifragile business ecosystems. Procedia Computer Science, 2019, 162, 604-613.	1.2	9
197	Extracting Promising Topics on Smart Manufacturing Based on Latent Dirichlet Allocation (LDA). , 2019, , .		0
198	Blockchain Dividing Based on Node Community Clustering in Intelligent Manufacturing CPS. , 2019, , .		19
199	A multi-agent architecture for scheduling in platform-based smart manufacturing systems. Frontiers of Information Technology and Electronic Engineering, 2019, 20, 1465-1492.	1.5	32
200	The generative adversarial networks and its application in machine vision. Enterprise Information Systems, 2019, , 1-21.	3.3	12

#	Article	IF	CITATIONS
201	Single Machine Scheduling Considering Time Value of Money. IFAC-PapersOnLine, 2019, 52, 887-892.	0.5	1
202	An Intelligent Risk Management Model for Achieving Smart Manufacturing on Internet of Things. , 2019, , .		2
203	Generating Transparency in the Worldwide Use of the Terminology Industry 4.0. Applied Sciences (Switzerland), 2019, 9, 4659.	1.3	7
204	"Digital Twins―for Highly Customized Electronic Devices – Case Study on a Rework Operation. IEEE Access, 2019, 7, 164127-164143.	2.6	13
205	Dynamic digital twin for predictive maintenance in flexible production systems., 2019,,.		12
206	Industry 4.0: Opportunities for Enhancing Energy Efficiency in Smart Factories., 2019,,.		9
207	Industry 4.0: Fundamentals and Main Challenges. , 2019, , .		22
208	Industrial Internet of Things Solution for Real-Time Monitoring of the Additive Manufacturing Process. Advances in Intelligent Systems and Computing, 2019, , 355-365.	0.5	6
209	Exploring Organizational Sustainability of Industry 4.0 under the Triple Bottom Line: The Case of a Manufacturing Company. Sustainability, 2019, 11, 36.	1.6	184
210	Next generation smart manufacturing and service systems using big data analytics. Computers and Industrial Engineering, 2019, 128, 905-910.	3.4	40
211	Adapting an agile manufacturing concept to the reference architecture model industry 4.0: A survey and case study. Journal of Industrial Information Integration, 2019, 15, 147-160.	4.3	106
212	Sustainable Manufacturing With Cyber-Physical Discrete Manufacturing Networks: Overview and Modeling Framework. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2019, 141, .	1.3	10
213	Industry 4.0: A bibliometric analysis and detailed overview. Engineering Applications of Artificial Intelligence, 2019, 78, 218-235.	4.3	341
214	A comprehensive review of big data analytics throughout product lifecycle to support sustainable smart manufacturing: A framework, challenges and future research directions. Journal of Cleaner Production, 2019, 210, 1343-1365.	4.6	275
215	A review of Internet of Things (IoT) embedded sustainable supply chain for industry 4.0 requirements. Computers and Industrial Engineering, 2019, 127, 925-953.	3.4	602
216	Industry 4.0 Multi-agent System Based Knowledge Representation Through Blockchain. Advances in Intelligent Systems and Computing, 2019, , 331-337.	0.5	3
217	Smart CPS: vertical integration overview and user story with a cobot. International Journal of Computer Integrated Manufacturing, 2019, 32, 504-521.	2.9	17
218	Going in circles: new business models for efficiency and value. Journal of Business Strategy, 2019, 40, 36-43.	0.9	23

#	Article	IF	Citations
219	Autonomous Data-Driven Quality Control in Self-learning Production Systems., 2019,, 679-689.		7
220	Frequency Resource Allocation and Interference Management in Mobile Edge Computing for an Internet of Things System. IEEE Internet of Things Journal, 2019, 6, 4910-4920.	<b>5.</b> 5	34
221	Industry 4.0 Technologies Impacts in the Manufacturing and Supply Chain Landscape: An Overview. Studies in Computational Intelligence, 2019, , 109-120.	0.7	20
222	Exploring Industry 4.0 technologies to enable circular economy practices in a manufacturing context. Journal of Manufacturing Technology Management, 2019, 30, 607-627.	3.3	488
223	Agile manufacturing: an evolutionary review of practices. International Journal of Production Research, 2019, 57, 5154-5174.	4.9	89
224	Organizational Systems Convergence with the Industry 4.0 Challenge. , 2019, , 411-431.		0
225	Blockchain Network Based Topic Mining Process for Cognitive Manufacturing. Wireless Personal Communications, 2019, 105, 583-597.	1.8	49
226	A framework for Internet of Things-enabled smart government: A case of IoT cybersecurity policies and use cases in U.S. federal government. Government Information Quarterly, 2019, 36, 346-357.	4.0	101
227	Smart manufacturing: Characteristics, technologies and enabling factors. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2019, 233, 1342-1361.	1.5	320
228	From data to big data in production research: the past and future trends. International Journal of Production Research, 2019, 57, 4828-4853.	4.9	132
229	Digital twin-driven product design framework. International Journal of Production Research, 2019, 57, 3935-3953.	4.9	617
230	Smart HRM – a Delphi study on the application and consequences of the Internet of Things in Human Resource Management. International Journal of Human Resource Management, 2020, 31, 2289-2318.	3.3	38
231	A framework for operative and social sustainability functionalities in Human-Centric Cyber-Physical Production Systems. Computers and Industrial Engineering, 2020, 139, 105132.	3.4	92
232	Urban production – A socially sustainable factory concept to overcome shortcomings of qualified workers in smart SMEs. Computers and Industrial Engineering, 2020, 139, 105384.	3.4	64
233	Industry 4.0 and lean manufacturing practices for sustainable organisational performance in Indian manufacturing companies. International Journal of Production Research, 2020, 58, 1319-1337.	4.9	334
234	Cyber Physical Energy System for Saving Energy of the Dyeing Process with Industrial Internet of Things and Manufacturing Big Data. International Journal of Precision Engineering and Manufacturing - Green Technology, 2020, 7, 219-238.	2.7	43
235	Event-Triggered Adaptive Neural Network Control of Manipulators with Model-Based Weights Initialization Method. International Journal of Precision Engineering and Manufacturing - Green Technology, 2020, 7, 443-454.	2.7	7
237	A predictive model for the maintenance of industrial machinery in the context of industry 4.0. Engineering Applications of Artificial Intelligence, 2020, 87, 103289.	4.3	100

#	Article	IF	CITATIONS
238	Fundamentals and applications of 3D and 4D printing of polymers: Challenges in polymer processing and prospects of future research. , 2020, , 527-560.		25
239	An architecture for IoT-enabled intelligent process-aware cloud production platform: a case study in a networked cloud clinical laboratory. International Journal of Production Research, 2020, 58, 3765-3780.	4.9	14
240	The smart factory as a key construct of industry 4.0: A systematic literature review. International Journal of Production Economics, 2020, 221, 107476.	5.1	275
241	Smart offices: A productivity and well-being perspective. International Journal of Information Management, 2020, 51, 102027.	10.5	67
242	Smart factory performance and Industry 4.0. Technological Forecasting and Social Change, 2020, 150, 119790.	6.2	349
243	An intelligent decision support system for production planning based on machine learning. Journal of Intelligent Manufacturing, 2020, 31, 1257-1273.	4.4	72
244	In Vitro Study for Use of Cactus Gel in Enhancing the Mechanical Strengths of Vegetable Tanned Leathers Under Accelerated Aging. International Journal of Precision Engineering and Manufacturing, 2020, 21, 145-155.	1.1	0
245	Blockchain-based ubiquitous manufacturing: a secure and reliable cyber-physical system. International Journal of Production Research, 2020, 58, 2200-2221.	4.9	<b>7</b> 5
246	A multi-layered view of chemical and biochemical engineering. Chemical Engineering Research and Design, 2020, 155, A133-A145.	2.7	58
247	Behind the definition of Industry 4.0: Analysis and open questions. International Journal of Production Economics, 2020, 226, 107617.	5.1	337
248	Mediating role of cloud of things in improving performance of small and medium enterprises in the Indian context. Annals of Operations Research, 2020, , $1.$	2.6	16
249	Knowledge-based expert system to support the semantic interoperability in smart manufacturing. Computers in Industry, 2020, 115, 103161.	5.7	30
250	Industry 4.0, digitization, and opportunities for sustainability. Journal of Cleaner Production, 2020, 252, 119869.	4.6	828
251	Transformation towards smart factory system: Examining new job profiles and competencies. Systems Research and Behavioral Science, 2020, 37, 388-402.	0.9	78
252	A state-of-the-art survey of Digital Twin: techniques, engineering product lifecycle management and business innovation perspectives. Journal of Intelligent Manufacturing, 2020, 31, 1313-1337.	4.4	346
253	To assess smart manufacturing readiness by maturity model: a case study on Taiwan enterprises. International Journal of Computer Integrated Manufacturing, 2020, 33, 102-115.	2.9	50
254	Blockchain-Based Anonymous Authentication With Selective Revocation for Smart Industrial Applications. IEEE Transactions on Industrial Informatics, 2020, 16, 3290-3300.	7.2	55
255	Using business process models for the specification of manufacturing operations. Computers in Industry, 2020, 123, 103297.	5.7	30

#	Article	IF	Citations
256	Data-driven Analysis of Product State Propagation in Manufacturing Systems Using Visual Analytics and Machine Learning. Procedia CIRP, 2020, 93, 449-454.	1.0	15
257	Development of a New Machine Learning-based Informatics System for Product Health Monitoring. Procedia CIRP, 2020, 93, 473-478.	1.0	5
258	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
259	An Entropy-Based Formulation for the Support of Sustainable Mass Customization 4.0. Mathematical Problems in Engineering, 2020, 2020, 1-21.	0.6	0
260	Combining Simulation and Machine Learning as Digital Twin for the Manufacturing of Overmolded Thermoplastic Composites. Journal of Manufacturing and Materials Processing, 2020, 4, 92.	1.0	31
261	Industry 4.0 and supply chain process re-engineering. Business Process Management Journal, 2020, 26, 1093-1119.	2.4	45
262	Digitization of manufacturing: the role of external search. International Journal of Operations and Production Management, 2020, 40, 1129-1152.	3.5	40
263	Sustainable manufacturing and industry 4.0: what we know and what we don't. Journal of Enterprise Information Management, 2021, 34, 230-266.	4.4	116
264	Design, engineering and testing of an innovative adaptive automation assembly system. Assembly Automation, 2020, 40, 531-540.	1.0	45
265	Internet of things and data mining: An application oriented survey. Journal of King Saud University - Computer and Information Sciences, 2022, 34, 3569-3590.	2.7	33
266	Smart and Agile Manufacturing Framework, A Case Study for Automotive Industry. Energies, 2020, 13, 5766.	1.6	16
267	Industry 4.0 collaborative networks for industrial performance. Journal of Manufacturing Technology Management, 2020, 32, 245-265.	3.3	42
268	In silico design and automated learning to boost next-generation smart biomanufacturing. Synthetic Biology, 2020, 5, ysaa020.	1.2	23
269	Supply chain integration and Industry 4.0: a systematic literature review. Benchmarking, 2021, 28, 990-1030.	2.9	86
270	Conceptualizing Smart Disaster Governance: An Integrative Conceptual Framework. Sustainability, 2020, 12, 9536.	1.6	6
271	Smart manufacturing adoption in supporting technologies infrastructure in Indonesia: The case of South Sulawesi SMEs. IOP Conference Series: Earth and Environmental Science, 2020, 575, 012175.	0.2	1
272	Predicting the Printability in Selective Laser Melting with a Supervised Machine Learning Method. Materials, 2020, 13, 5063.	1.3	30
273	Digital Twins for Additive Manufacturing: A State-of-the-Art Review. Applied Sciences (Switzerland), 2020, 10, 8350.	1.3	45

#	Article	IF	CITATIONS
274	Building a Smart and Intelligent Factory of the Future with Industry 4.0 Technologies. Journal of Physics: Conference Series, 2020, 1569, 032031.	0.3	1
275	Next generation control units simplifying industrial machine learning. , 2020, , .		6
276	Industry 4.0 technologies in the purchasing process. Industrial Management and Data Systems, 2020, 120, 730-748.	2.2	49
277	Industry 4.0: a review and analysis of contingency and performance effects. Journal of Manufacturing Technology Management, 2020, 32, 667-694.	3.3	54
278	Digital transformation priorities of Indiaâ $\in$ <sup>TM</sup> s discrete manufacturing SMEs â $\in$ " a conceptual study in perspective of Industry 4.0. Competitiveness Review, 2020, 30, 289-314.	1.8	100
279	Real Time Reaction Concept for Cyber Physical Production Systems. , 2020, , .		1
280	Industry 4.0 Technologies in Flexible Manufacturing for Sustainable Organizational Value: Reflections from a Multiple Case Study of Italian Manufacturers. Information Systems Frontiers, 2023, 25, 995-1016.	4.1	63
281	Digital Twins for Manufacturing Using UML and Behavioral Specifications. , 2020, , .		14
282	Design parameters for smart manufacturing innovation processes. Procedia CIRP, 2020, 93, 365-370.	1.0	11
283	Implementation of big data analytics and Manufacturing Execution Systems: an empirical analysis in German-speaking countries. Production Planning and Control, 2022, 33, 261-276.	5.8	14
284	A Systematic Review of the Influence of Internal Marketing on Service Innovation. Journal of Risk and Financial Management, 2020, 13, 207.	1.1	0
285	Energy Efficiency in Industry 4.0: The Case of Batch Production Processes. Sustainability, 2020, 12, 6631.	1.6	29
286	A Cloud-based Digital Twin Manufacturing System based on an Interoperable Data Schema for Smart Manufacturing. International Journal of Computer Integrated Manufacturing, 2020, 33, 1259-1276.	2.9	35
287	Industrial Artificial Intelligence in Industry 4.0 - Systematic Review, Challenges and Outlook. IEEE Access, 2020, 8, 220121-220139.	2.6	208
288	A framework for procurement process re-engineering in Industry 4.0. Business Process Management Journal, 2020, 27, 439-458.	2.4	22
289	Using finite element analysis to develop a digital twin of a manufacturing bending operation. Procedia CIRP, 2020, 93, 568-574.	1.0	17
290	Prioritising smart factory investments – A project portfolio selection approach. International Journal of Production Research, 2022, 60, 999-1015.	4.9	11
291	Redefining Industry 4.0 and Its Enabling Technologies. Journal of Physics: Conference Series, 2020, 1569, 032025.	0.3	4

#	Article	IF	CITATIONS
292	Fog-based Logistic Application Modeling in an Industry 4.0 Framework. IOP Conference Series: Materials Science and Engineering, 2020, 842, 012026.	0.3	1
293	Human–Autonomy Teaming: A Review and Analysis of the Empirical Literature. Human Factors, 2022, 64, 904-938.	2.1	134
294	Operation Procedures of a Work-Center-Level Digital Twin for Sustainable and Smart Manufacturing. International Journal of Precision Engineering and Manufacturing - Green Technology, 2020, 7, 791-814.	2.7	41
295	Challenges, Opportunities and Future Directions of Smart Manufacturing: A State of Art Review. Sustainable Futures, 2020, 2, 100023.	1.5	146
296	Manufacturing networks in the era of digital production and operations: A socio-cyber-physical perspective. Annual Reviews in Control, 2020, 49, 288-294.	4.4	38
297	Dynamic capabilities for smart manufacturing transformation by manufacturing enterprises. Asian Journal of Technology Innovation, 2020, 28, 403-426.	1.7	33
298	A Maturity Level-Based Assessment Tool to Enhance the Implementation of Industry 4.0 in Small and Medium-Sized Enterprises. Sustainability, 2020, 12, 3559.	1.6	58
299	Industry 4.0-Based Real-Time Scheduling and Dispatching in Lean Manufacturing Systems. Sustainability, 2020, 12, 2272.	1.6	45
300	Interpretive framework by analysing the enablers for implementation of Industry 4.0: an ISM approach. Total Quality Management and Business Excellence, 2021, 32, 1494-1514.	2.4	32
301	Integration of Lean practices and Industry 4.0 technologies: smart manufacturing for next-generation enterprises. International Journal of Advanced Manufacturing Technology, 2020, 107, 2927-2936.	1.5	121
302	Evaluation of Industry 4.0 Data formats for Digital Twin of Optical Components. International Journal of Precision Engineering and Manufacturing - Green Technology, 2020, 7, 573-584.	2.7	18
303	The HORSE Project: The Application of Business Process Management for Flexibility in Smart Manufacturing. Applied Sciences (Switzerland), 2020, 10, 4145.	1.3	21
304	Taxonomy of Industry 4.0 research: Mapping scholarship and industry insights. Systems Research and Behavioral Science, 2020, 37, 535-556.	0.9	27
305	System Performance and Process Capability in Additive Manufacturing: Quality Control for Polymer Jetting. Polymers, 2020, 12, 1292.	2.0	21
306	Impact of Industry 4.0 on Environmental Sustainability. Sustainability, 2020, 12, 4674.	1.6	216
307	Fit to Work in the Business Models of the Industry 4.0 Age. Sustainability, 2020, 12, 4854.	1.6	27
308	Development of internal sound sensor using stethoscope and its applications for machine monitoring. Procedia Manufacturing, 2020, 48, 1072-1078.	1.9	12
309	Systematic analysis of needs and requirements for the design of smart manufacturing systems in SMEsâ^†. Journal of Computational Design and Engineering, 2020, 7, 129-144.	1.5	17

#	Article	IF	CITATIONS
310	Multichannel optimization for electromyogram signals with complex features in a decomposition-based multi-objective evolution framework with adaptive angle selection. International Journal of Advanced Robotic Systems, 2020, 17, 172988142091701.	1.3	0
311	Towards a simulation-based understanding of smart remanufacturing operations: a comparative analysis. Journal of Remanufacturing, $0$ , $1$ .	1.6	9
312	Towards â€~Lean Industry 4.0ʹ – Current trends and future perspectives. Cogent Business and Management, 2020, 7, 1781995.	1.3	72
313	Development of Real-time Diagnosis Framework for Angular Misalignment of Robot Spot-welding System Based on Machine Learning. Procedia Manufacturing, 2020, 48, 1009-1019.	1.9	13
314	Intelligent vision-based online inspection system of screw-fastening operations in light-gauge steel frame manufacturing. International Journal of Advanced Manufacturing Technology, 2020, 109, 645-657.	1.5	27
315	Integrated Functional Safety and Security Diagnosis Mechanism of CPS Based on Blockchain. IEEE Access, 2020, 8, 15241-15255.	2.6	13
316	A generic tri-model-based approach for product-level digital twin development in a smart manufacturing environment. Robotics and Computer-Integrated Manufacturing, 2020, 64, 101958.	6.1	93
317	Reviewâ€"Deep Learning Methods for Sensor Based Predictive Maintenance and Future Perspectives for Electrochemical Sensors. Journal of the Electrochemical Society, 2020, 167, 037552.	1.3	82
318	Effect of machining parameters on surface roughness for compacted graphite cast iron by analyzing covariance function of Gaussian process regression. Measurement: Journal of the International Measurement Confederation, 2020, 157, 107578.	2.5	18
319	A framework to overcome sustainable supply chain challenges through solution measures of industry 4.0 and circular economy: An automotive case. Journal of Cleaner Production, 2020, 254, 120112.	4.6	326
320	A human-in-the-loop manufacturing control architecture for the next generation of production systems. Journal of Manufacturing Systems, 2020, 54, 258-271.	7.6	141
321	Composite Reinforcement Architectures: A Review of Field-Assisted Additive Manufacturing for Polymers. Journal of Composites Science, 2020, 4, 1.	1.4	38
322	A Deep Learning Model for Smart Manufacturing Using Convolutional LSTM Neural Network Autoencoders. IEEE Transactions on Industrial Informatics, 2020, 16, 6069-6078.	7.2	157
323	Model-Based Human Robot Collaboration System for Small Batch Assembly with a Virtual Fence. International Journal of Precision Engineering and Manufacturing - Green Technology, 2020, 7, 609-623.	2.7	13
324	An Internet of Thingsâ€enabled decision support system for circular economy business model. Software - Practice and Experience, 2022, 52, 772-787.	2.5	44
325	Review of Energy Efficiency Technologies in the Food Industry: Trends, Barriers, and Opportunities. IEEE Access, 2020, 8, 48015-48029.	2.6	45
326	Monitoring Mixing Processes Using Ultrasonic Sensors and Machine Learning. Sensors, 2020, 20, 1813.	2.1	31
327	A Smart Manufacturing Solution for Multi-Axis Dispenser Motion Planning in Mixed Production of Shoe Soles. International Journal of Precision Engineering and Manufacturing - Green Technology, 2020, 7, 769-779.	2.7	4

#	ARTICLE	IF	CITATIONS
328	Upgrading Industrial Engineering and Management curriculum to Industry 4.0., 2020, , .		5
329	Information and digital technologies of Industry 4.0 and Lean supply chain management: a systematic literature review. International Journal of Production Research, 2020, 58, 5034-5061.	4.9	185
330	Inkjet Printing of Silica Aerogel for Fabrication of 2-D Patterned Thermal Insulation Layers. International Journal of Precision Engineering and Manufacturing - Green Technology, 2021, 8, 445-451.	2.7	10
331	Maintenance optimisation and coordination with fairness concerns for the service-oriented manufacturing supply chain. Enterprise Information Systems, 2021, 15, 694-724.	3.3	19
332	Digital twin-based sustainable intelligent manufacturing: a review. Advances in Manufacturing, 2021, 9, 1-21.	3.2	296
333	A tutorial on deep learning-based data analytics in manufacturing through a welding case study. Journal of Manufacturing Processes, 2021, 63, 2-13.	2.8	44
334	†Evolutions' and †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
335	A SAP-LAP linkages framework for integrating Industry 4.0 and circular economy. Benchmarking, 2021, 28, 1638-1664.	2.9	60
336	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
337	Digital twin-based industrial cloud robotics: Framework, control approach and implementation. Journal of Manufacturing Systems, 2021, 58, 196-209.	7.6	54
338	Industry 4.0 in Logistics and Supply Chain Management: A Systematic Literature Review. EMJ - Engineering Management Journal, 2021, 33, 187-201.	1.4	101
339	Industry 4.0 Implementation Challenges and Opportunities: A Managerial Perspective. IEEE Systems Journal, 2021, 15, 546-559.	2.9	96
340	The applications of Industry 4.0 technologies in manufacturing context: a systematic literature review. International Journal of Production Research, 2021, 59, 1922-1954.	4.9	312
341	The investigation on infoecology in the field of smart manufacturing. Library Hi Tech, 2021, 39, 643-669.	3.7	3
342	Digital technologies catalyzing business model innovation for circular economy—Multiple case study. Resources, Conservation and Recycling, 2021, 164, 105155.	5.3	192
343	ASiMOV: A self-protecting control application for the smart factory. Future Generation Computer Systems, 2021, 115, 213-235.	4.9	4
344	Circular economy: a new sustainable management paradigm. , 2021, , 189-214.		1
345	Flexible business strategies to enhance resilience in manufacturing supply chains: An empirical study. Journal of Manufacturing Systems, 2021, 60, 903-919.	7.6	48

#	Article	IF	CITATIONS
346	Drone as a Service (DaaS) in promoting cleaner agricultural production and Circular Economy for ethical Sustainable Supply Chain development. Journal of Cleaner Production, 2021, 287, 125522.	4.6	40
347	Automated engineering of synthetic metabolic pathways for efficient biomanufacturing. Metabolic Engineering, 2021, 63, 61-80.	3.6	38
348	Appropriate Smart Factory for SMEs: Concept, Application and Perspective. International Journal of Precision Engineering and Manufacturing, 2021, 22, 201-215.	1.1	34
349	Smart factories for single-family wooden houses $\hat{a} \in \hat{a}$ a practitioner $\hat{a} \in \mathbb{N}$ s perspective. Construction Innovation, 2021, 21, 64-84.	1.5	11
350	A two-stage metaheuristic algorithm for the dynamic vehicle routing problem in Industry 4.0 approach. Journal of Management Analytics, 2021, 8, 69-83.	1.6	32
351	The complementary effect of lean manufacturing and digitalisation on operational performance. International Journal of Production Research, 2021, 59, 1976-1992.	4.9	124
352	Smart Manufacturing and Intelligent Manufacturing: A Comparative Review. Engineering, 2021, 7, 738-757.	3.2	180
353	Sustainable industry 4.0 – an exploratory study for uncovering the drivers for integration. Journal of Modelling in Management, 2021, 16, 357-376.	1.1	23
354	Organizing Self-Organizing Systems: A Terminology, Taxonomy, and Reference Model for Entities in Cyber-Physical Production Systems. Information Systems Frontiers, 2021, 23, 391-414.	4.1	14
355	Design method for cost-effectively realizing high variety products. Procedia CIRP, 2021, 96, 139-144.	1.0	1
356	Development and application of an informatization upgrade device for old equipment in ceramic sanitary ware industry. E3S Web of Conferences, 2021, 236, 04033.	0.2	0
357	Integrated technology roadmapping in startups: a case study of an AgTech in the Cachaça industry. Scientia Agricola, 2021, 78, .	0.6	1
358	The Evolution Path to Collaborative Networks 4.0. IFIP Advances in Information and Communication Technology, 2021, , 170-193.	0.5	6
359	Design and development of industrial IoT-based system for behavior profiling of non-linear dynamic production systems based on energy flow theory. Thermal Science, 2022, 26, 2147-2161.	0.5	0
360	Industry 4.0 skills: A perspective of the South African manufacturing industry. SA Journal of Human Resource Management, 0, $19$ , .	0.6	21
361	Managing the Fourth Industrial Revolution: A Competence Framework for Smart Factory. Studies in Computational Intelligence, 2021, , 389-402.	0.7	7
362	Permeability evaluation of Industry 4.0 technologies in cloud-based energy management systems environments - Energy Cloud. Production, 0, 31, .	1.3	4
363	Digital technologies, methods and tools towards sustainable manufacturing: does Industry 4.0 support to reach environmental targets?. Procedia CIRP, 2021, 98, 1-6.	1.0	15

#	Article	IF	CITATIONS
364	Hybrid-Learning-Based Operational Visual Quality Inspection for Edge-Computing-Enabled IoT System. IEEE Internet of Things Journal, 2022, 9, 4958-4972.	<b>5.</b> 5	7
365	From Industry 4.0 to Agriculture 4.0., 2021, , 13-28.		1
366	The role of Engineering-to-Order machinery manufacturers in future Cloud Manufacturing supply chains: a business case and a strategic perspective. Production Planning and Control, 0, , 1-13.	5.8	3
367	Digital Twin-Driven Intelligent Construction: Features and Trends. SDHM Structural Durability and Health Monitoring, 2021, 15, 183-206.	0.6	7
368	Sosyal Bilimlerde Endüstri 4.0'ın İncelenmesi ve Bibliyometrik Analizi. Dumlupınar Üniversitesi Sosya Bilimler Dergisi, 0, , .	0.2	1
369	Implementation of a Vision-Based Worker Assistance System in Assembly: a Case Study. Procedia CIRP, 2021, 96, 295-300.	1.0	6
370	Analyzing Roadblocks of Industry 4.0 Adoption Using Graph Theory and Matrix Approach. IEEE Transactions on Engineering Management, 2023, 70, 454-463.	2.4	18
371	Industry 4.0 and the circular economy: A literature review and recommendations for future research. Business Strategy and the Environment, 2021, 30, 2038-2060.	8.5	232
372	Nanotechnology-based E-nose for smart manufacturing. , 2021, , 417-444.		1
373	Industry 4.0, a revolution that requires technology and national strategies. Complex & Intelligent Systems, 2021, 7, 1311-1325.	4.0	130
374	Information and Communication Technologies for Sustainable Supply-Chain—A Smart Manufacturing (SM) Perspective. Asset Analytics, 2021, , 461-474.	0.4	1
375	Factors that Inhibit Sustainable Adoption of Industry 4.0 in the South African Manufacturing Industry. Sustainability, 2021, 13, 1013.	1.6	17
376	Adjustment of enterprises to the requirements of the fourth industrial revolution – regional approach. Wiadomosci Statystyczne (Warsaw, Poland: 1956), 2021, 66, 32-48.	0.3	2
377	Design tool for dynamic loading conditions: a coupled multi-level approach. Procedia CIRP, 2021, 100, 337-342.	1.0	0
378	Evaluation of Influence of Principles Involved in Industry 4.0 Over Coal Industries Using TISM., 2021,, 926-940.		0
379	Analysis of Non-Traditional Machining Processes Using Machine Learning. Advances in Computational Intelligence and Robotics Book Series, 2021, , 195-202.	0.4	0
380	IoT Past, Present, and Future a Literary Survey. Lecture Notes in Networks and Systems, 2021, , 393-402.	0.5	4
381	Effective Predictive Maintenance to Overcome System Failuresâ€"A Machine Learning Approach. Advances in Intelligent Systems and Computing, 2021, , 341-357.	0.5	1

#	ARTICLE	IF	CITATIONS
382	Sensing Materials: Nanostructured Platforms Based on Conducting Polymers for Sensing. , 2023, , 269-285.		2
383	A Study on the Digital Twin Visualization Method for Smart Factory of Dye Processing Industry. Journal of Korean Institute of Industrial Engineers, 2021, 47, 77-91.	0.1	4
384	Digital Twin for Human-Robot Interactive Welding and Welder Behavior Analysis. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 334-343.	8.5	90
385	Easing Up Transition: A Strategic Roadmap Toward Industry 4.0. , 2021, , 215-234.		2
386	Práticas de Gestão do Conhecimento e Capacidade Absortiva Aplicadas à Melhoria de Desempenho e Qualidade na Manutenção Industrial. Research, Society and Development, 2021, 10, e47410212713.	0.0	1
387	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
388	Smart Manufacturing: Quality Control Perspectives. , 0, , .		1
389	Importance of the Application of Lean Manufacturing and Sustainable Manufacturing and Its Impact on Productivity and Quality in the Electronics Industry of Mexicali. International Journal of Innovative Technology and Exploring Engineering, 2021, 10, 30-39.	0.2	0
390	Knowledge-Based Design Guidance System for Cloud-Based Decision Support in the Design of Complex Engineered Systems. Journal of Mechanical Design, Transactions of the ASME, 2021, 143, .	1.7	10
391	Exploring the interplay between Smart Manufacturing and KIBS firms in configuring product-service innovation performance. Technovation, 2022, 118, 102258.	4.2	41
392	Artificial intelligence in product lifecycle management. International Journal of Advanced Manufacturing Technology, 2021, 114, 771-796.	1.5	46
393	Additive manufacturing embraces big data. Progress in Additive Manufacturing, 2021, 6, 181-197.	2.5	8
394	Smart Organizations as a Source of Competitiveness and Sustainable Development in the Age of Industry 4.0: Integration of Micro and Macro Perspective. Energies, 2021, 14, 1572.	1.6	28
395	Simulation-Based Hybrid Optimization Method for the Digital Twin of Garment Production Lines. Journal of Computing and Information Science in Engineering, 2021, 21, .	1.7	6
396	A Concise Review of the Evolution of Information and Communication Technologies For Engineering Innovations. IOP Conference Series: Materials Science and Engineering, 2021, 1107, 012231.	0.3	2
397	Assessing sustainable production under circular economy context using a novel rough-fuzzy MCDM model: a case of the forestry industry in the Eastern Black Sea region. Journal of Enterprise Information Management, 2021, , .	4.4	14
398	A RESEARCH ON THE POSSİBLE EFFECTS ON PRODUCTION COSTS IN THE INDUSTRY 4.0 PROCESS. Muhasebe Ve Vergi Uygulamaları Dergisi, 2021, 14, 837-872.	0.1	2
399	Training the Next Industrial Engineers and Managers about Industry 4.0: A Case Study about Challenges and Opportunities in the COVID-19 Era. Sensors, 2021, 21, 2905.	2.1	18

#	Article	IF	CITATIONS
400	Smart Supply Chain Management: The 5W1H Open and Collaborative Framework. , 2021, , .		7
401	Embracing Industry 4.0: Empirical Insights from Malaysia. Informatics, 2021, 8, 30.	2.4	9
402	Current progress of 4D-printing technology. Progress in Additive Manufacturing, 2021, 6, 495-516.	2.5	32
403	Smart Manufacturing and Industry 4.0: A Preliminary Approach in Structuring a Conceptual Framework. WSEAS TRANSACTIONS on ADVANCES in ENGINEERING EDUCATION, 2021, 18, 27-36.	0.1	5
404	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
405	Research on Green Collaborative Innovation Mechanism of Cloud Manufacturing Enterprises under Government Supervision. Mathematical Problems in Engineering, 2021, 2021, 1-17.	0.6	11
406	Dynamic mutual manufacturing and transportation routing service selection for cloud manufacturing with multi-period service-demand matching. PeerJ Computer Science, 2021, 7, e461.	2.7	11
407	A Systematic Review on Technologies for Data-Driven Production Logistics: Their Role from a Holistic and Value Creation Perspective. Logistics, 2021, 5, 24.	2.4	14
408	Dissecting the project anatomy: Understanding the cost of managing construction projects. Production Planning and Control, 0, , 1-22.	5.8	13
409	The Forgotten Component in the Development Process of Industry 4.0: Cyber Security. $D\tilde{A}^{1/4}$ zce $\tilde{A}$ ceniversitesi Bilim Ve Teknoloji Dergisi, 2021, 9, 1142-1158.	0.2	6
410	Digital twin for smart manufacturing: a review of concepts towards a practical industrial implementation. International Journal of Computer Integrated Manufacturing, 2021, 34, 567-597.	2.9	62
411	The influence of IIoT on manufacturing network coordination. Journal of Manufacturing Technology Management, 2021, 32, 1144-1166.	3.3	14
412	Striding towards Sustainability: A Framework to Overcome Challenges and Explore Opportunities through Industry 4.0. Sustainability, 2021, 13, 5232.	1.6	28
413	Egocentric abstractions for modeling and safety verification of distributed cyber-physical systems. , 2021, , .		0
414	The complexity of the intangible digital economy: an agent-based model. Journal of Business Research, 2021, 129, 527-540.	5.8	55
415	On-line Error-Matching Measurement and Compensation Method for a Precision Machining Production Line. International Journal of Precision Engineering and Manufacturing - Green Technology, 2022, 9, 493-505.	2.7	6
416	Building a virtual factory: an integrated design approach to building smart factories. Journal of Global Operations and Strategic Sourcing, 2021, 14, 608-635.	3.4	8
417	Circular economy strategies on business modelling: Identifying the greatest influences. Journal of Cleaner Production, 2021, 299, 126918.	4.6	52

#	Article	IF	CITATIONS
418	State of the Art in Defect Detection Based on Machine Vision. International Journal of Precision Engineering and Manufacturing - Green Technology, 2022, 9, 661-691.	2.7	180
419	AKILLI ÜRETİMİN İŞLETME PERFORMANSINA ETKİSİ: VAKA ANALİZİ YAKLAŞIMI. Muhasebe Ve Finar Dergisi, 0, , .	ıs İncele 2.7	meleri
420	Industry 4.0 Readiness of Technology Companies: A Pilot Study from Malaysia. Administrative Sciences, 2021, 11, 56.	1.5	9
421	Use of air-coupled ultrasound for the non-invasive characterization of the textural properties of pork burger patties. Journal of Food Engineering, 2021, 297, 110481.	2.7	11
422	Industry 4.0, cleaner production and circular economy: An integrative framework for evaluating ethical and sustainable business performance of manufacturing organizations. Journal of Cleaner Production, 2021, 295, 126253.	4.6	169
423	Combining lean and agile manufacturing competitive advantages through Industry 4.0 technologies: an integrative approach. Production Planning and Control, 2023, 34, 442-458.	5.8	39
424	Análise bibliométrica da produção cientÃfica da indústria 4.0 e sua relação com a indústria calçadista. Research, Society and Development, 2021, 10, e52710613863.	0.0	0
425	Customer participation in new product development: an Industry 4.0 perspective. European Journal of Innovation Management, 2022, 25, 637-655.	2.4	15
426	Opportunities and challenges of the industry 4.0 in industrial companies: a survey on Moroccan firms. Journal of Industrial and Business Economics, 2021, 48, 413-439.	0.8	13
427	A resilient control strategy for networked multi-agent systems subject to covert attacks. Transactions of the Institute of Measurement and Control, 0, , 014233122110212.	1.1	1
428	Analysis of Enterprise Human Resources Demand Forecast Model Based on SOM Neural Network. Computational Intelligence and Neuroscience, 2021, 2021, 1-10.	1.1	10
429	Assembly Error-mating Measurement and Compensation Method for Machining Production Line. , 2021, , .		0
430	Data Spine: A Federated Interoperability Enabler for Heterogeneous IoT Platform Ecosystems. Sensors, 2021, 21, 4010.	2.1	13
431	Implementing Industrial Symbiosis Incentives: an Applied Assessment Framework for Risk Mitigation. Circular Economy and Sustainability, $0$ , $1$ .	3.3	11
432	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
433	A Precondition of Sustainability: Industry 4.0 Readiness. Sustainability, 2021, 13, 6641.	1.6	23
434	A Multidimensional Representation of the Consumer Under Industry 4.0 and Social Manufacturing. , 2021, , .		1
435	Genetic Programming based Identification of an Industrial Process. , 2021, , .		0

#	Article	IF	Citations
436	Project-based maturity assessment model for smart transformation in Taiwanese enterprises. PLoS ONE, 2021, 16, e0254522.	1.1	4
437	Give Me a Wrench!: Finding Tools for Human Partners in Human-Robot Collaborative Manufacturing Contexts., 2021,,.		0
438	Openness to Industry 4.0 and performance: The impact of barriers and incentives. Technological Forecasting and Social Change, 2021, 168, 120756.	6.2	59
439	Digital Manufacturing Challenges Education—SmartLab Concept as a Concrete Example in Tackling These Challenges. Future Internet, 2021, 13, 192.	2.4	7
440	The four smarts of Industry 4.0: Evolution of ten years of research and future perspectives. Technological Forecasting and Social Change, 2021, 168, 120784.	6.2	138
441	Industry 4.0: Latent Dirichlet Allocation and clustering based theme identification of bibliography. Engineering Applications of Artificial Intelligence, 2021, 103, 104280.	4.3	13
442	Developing an interplay among the psychological barriers for the adoption of industry 4.0 phenomenon. PLoS ONE, 2021, 16, e0255115.	1.1	13
443	ViTroVo: in vitro assembly search for in vivo adaptive operator guidance. International Journal of Advanced Manufacturing Technology, 2021, 117, 3873-3893.	1.5	2
445	ICPECVD-Dielectric Thin-Films CMOS-Compatible: Trends in Eco-Friendly Deposition. International Journal of Precision Engineering and Manufacturing - Green Technology, $0, 1$ .	2.7	1
446	Addressing Consumer Demands: A Manufacturing Collaboration Process Using Blockchain for Knowledge Representation. Lecture Notes in Networks and Systems, 2022, , 375-390.	0.5	0
447	Smart retrofitting in manufacturing: A systematic review. Journal of Cleaner Production, 2021, 312, 127555.	4.6	43
448	Conceptualizing Smart Manufacturing Readiness-Maturity Model for Small and Medium Enterprise (SME) in Malaysia. Sustainability, 2021, 13, 9793.	1.6	11
449	Data-driven failure mode and effect analysis (FMEA) to enhance maintenance planning. Computers in Industry, 2021, 129, 103451.	5.7	41
450	An Integrated Mobile Augmented Reality Digital Twin Monitoring System. Computers, 2021, 10, 99.	2.1	12
451	Smart watches: A review of evolution in bio-medical sector. Materials Today: Proceedings, 2022, 50, 1053-1066.	0.9	23
452	Optimizing the Tolerance for the Products with Multi-Dimensional Chains via Simulated Annealing. Symmetry, 2021, 13, 1780.	1.1	1
453	Role of Servitization, Digitalization, and Innovation Performance in Manufacturing Enterprises. Sustainability, 2021, 13, 9878.	1.6	24
454	Evolutionary Game Analysis of Promoting Industrial Internet Platforms to Empower Manufacturing SMEs through Value Cocreation Cooperation. Discrete Dynamics in Nature and Society, 2021, 2021, 1-14.	0.5	3

#	Article	IF	Citations
455	Industry 4.0 in Manufacturing: Benefits, Barriers and Organizational Factors that Influence its Adoption. International Journal of Innovation and Technology Management, 2021, $18$ , .	0.8	4
456	Evolution of industry 4.0 and international business: A systematic literature review and a research agenda. European Management Journal, 2022, 40, 572-589.	3.1	14
457	Availabilityâ€guaranteeing maintenance of series machine tools. Engineering Reports, 0, , e12456.	0.9	1
458	Architectural Design for Inspection of Machine Objects Using Small DNNs as TinyML for Machine Vision of Defects and Faults in the Manufacturing Processes. Smart Innovation, Systems and Technologies, 2022, , 377-387.	0.5	3
459	Modeling of critical success factors for adoption of smart manufacturing system in Indian SMEs: an integrated approach. Opsearch, 2022, 59, 1271-1303.	1.1	4
460	Determining the impact of 5G-technology on manufacturing performance using a modified TOPSIS method. International Journal of Computer Integrated Manufacturing, 2022, 35, 69-90.	2.9	3
461	Are food supply chains taking advantage of the circular economy? A research agenda on tackling food waste based on Industry 4.0 technologies. Production Planning and Control, 2023, 34, 967-983.	5 <b>.</b> 8	19
462	Managing industry 4.0 automation for fair ethical business development: A single case study. Technological Forecasting and Social Change, 2021, 172, 121048.	6.2	33
463	Last-mile-as-a-service (LMaaS): An innovative concept for the disruption of the supply chain. Sustainable Cities and Society, 2021, 75, 103310.	5.1	13
464	Companies' adoption of Smart Technologies to achieve structural ambidexterity: an analysis with SEM. Technological Forecasting and Social Change, 2022, 174, 121187.	6.2	26
465	Remanufacturing and refurbishment in the age of Industry 4.0: an integrated research agenda. , $2021$ , , $87-107$ .		3
466	Research on High-Performance High-Precision Elliptical Vibration Cutting., 2021,, 83-95.		0
467	Artificial intelligence enhanced interaction in digital twin shop-floor. Procedia CIRP, 2021, 100, 858-863.	1.0	10
468	Modeling the Digital Transformation of the Region's Industry. Lecture Notes in Information Systems and Organisation, 2021, , 49-55.	0.4	0
469	Towards a Framework for Assessing the Maturity of Manufacturing Companies in Industry 4.0 Adoption., 2021,, 895-925.		2
471	A 2.4-GHz LoRa-Based Protocol for Communication and Energy Harvesting on Industry Machines. IEEE Internet of Things Journal, 2022, 9, 7853-7865.	5.5	6
472	Voxel-Based Geometry Reconstruction for Repairing and Remanufacturing of Metallic Components Via Additive Manufacturing. International Journal of Precision Engineering and Manufacturing - Green Technology, 2021, 8, 1663-1686.	2.7	7
474	The Situation of Technology Companies in Industry 4.0 and the Open Innovation. Journal of Open Innovation: Technology, Market, and Complexity, 2021, 7, 34.	2.6	33

#	Article	IF	CITATIONS
475	The Role of Big Data Analytics and AI in Smart Manufacturing: An Overview. Advances in Intelligent Systems and Computing, 2021, , 911-921.	0.5	3
476	Industry 4.0 Implementation Challenges and Opportunities: A Technological Perspective. IEEE Systems Journal, 2022, 16, 2797-2810.	2.9	31
477	Enablers of Servitization Roles and Action Mechanism. Advances in Logistics, Operations, and Management Science Book Series, 2021, , 2321-2337.	0.3	0
478	Sustainable and smart metal forming manufacturing process. Materials Today: Proceedings, 2021, 44, 2069-2079.	0.9	71
479	Impact of Internet of Things, Artificial Intelligence, and Blockchain Technology in Industry 4.0., 2021, , 157-178.		4
480	Managing Changes Initiated by Industrial Big Data Technologies: A Technochange Management Model. Lecture Notes in Computer Science, 2019, , 75-87.	1.0	2
481	SME Requirements and Guidelines for the Design of Smart and Highly Adaptable Manufacturing Systems., 2020,, 39-72.		17
482	Digitalization of Business Logistics Activities and Future Directions. Contributions To Management Science, 2020, , 201-238.	0.4	2
483	Implementation of Industry 4.0 in Germany, Brazil and Portugal: Barriers and Benefits. IFIP Advances in Information and Communication Technology, 2019, , 323-330.	0.5	4
484	Industry 4.0 in Poland: A Systematic Literature Review and Future Research Directions. Springer Proceedings in Business and Economics, 2020, , 43-71.	0.3	1
485	A Survey on RFID in Industry 4.0. EAI/Springer Innovations in Communication and Computing, 2020, , 1-16.	0.9	24
486	Digital Twins in Supply Chain Management: A Brief Literature Review. Advances in Intelligent Systems and Computing, 2020, , 653-661.	0.5	26
487	SMEs on the Way to the Smart World of Industry 4.0. Eurasian Studies in Business and Economics, 2020, , 139-156.	0.2	5
488	Organizational Impacts on Sustainability of Industry 4.0: A Systematic Literature Review from Empirical Case Studies. Lecture Notes in Information Systems and Organisation, 2020, , 173-186.	0.4	19
489	Autonomous Guided Vehicles for Smart Industries – The State-of-the-Art and Research Challenges. Lecture Notes in Computer Science, 2020, , 330-343.	1.0	16
490	Manufacturing Operations Management for Smart Manufacturing $\hat{a} \in A$ Case Study. IFIP Advances in Information and Communication Technology, 2020, , 91-98.	0.5	4
491	Integrated Platform and Digital Twin Application for Global Automotive Part Suppliers. IFIP Advances in Information and Communication Technology, 2020, , 230-237.	0.5	8
492	Machine Learning Improves Human-Robot Interaction in Productive Environments: A Review. Lecture Notes in Computer Science, 2017, , 283-293.	1.0	4

#	Article	IF	CITATIONS
493	Collaborative Networks as a Core Enabler of Industry 4.0. IFIP Advances in Information and Communication Technology, 2017, , 3-17.	0.5	94
494	Industry 4.0 and its Impact on Reshoring Decisions of German Manufacturing Enterprises. , 2017, , 165-179.		55
495	Supporting Manufacturing System Design: A Case Study on Application of InDeaTe Design Tool for a Smart Manufacturing System Design. Smart Innovation, Systems and Technologies, 2017, , 325-335.	0.5	4
497	Machine learning approach for systematic analysis of energy efficiency potentials in manufacturing processes: A case of battery production. CIRP Annals - Manufacturing Technology, 2020, 69, 21-24.	1.7	39
498	Towards a Characterisation of Smart Systems: A Systematic Literature Review. Computers in Industry, 2020, 120, 103224.	5.7	59
499	Intelligent technology in grinding process driven by data: A review. Journal of Manufacturing Processes, 2020, 58, 1039-1051.	2.8	36
500	A Generic Evaluation Framework of Smart Manufacturing Systems. Procedia Computer Science, 2019, 161, 1292-1299.	1.2	8
501	NBIC-convergence in production systems. E3S Web of Conferences, 2020, 210, 11003.	0.2	6
502	Risks and opportunities for the progress of digitalization in Mexico. Economics of Innovation and New Technology, 2020, 29, 689-704.	2.1	9
503	loT visualization of Smart Factory for Additive Manufacturing System (ISFAMS) with visual inspection and material handling processes. IOP Conference Series: Materials Science and Engineering, 2020, 995, 012027.	0.3	3
504	Integration of Lean Manufacturing and Industry 4.0., 2020, , .		4
505	Towards Meaningfully Integrating Human-Autonomy Teaming in Applied Settings. , 2020, , .		12
506	Fast and meta heuristics for part selection in flexible manufacturing systems with controllable processing times. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2021, 235, 650-662.	1.5	7
507	Review on Implementation of Industry 4.0 Globally and Preparing Malaysia for Fourth Industrial Revolution. The Proceedings of Design & Systems Conference, 2018, 2018.28, 2203.	0.0	8
508	Towards the Adoption of Smart Manufacturing Systems: A Development Framework. International Journal of Advanced Computer Science and Applications, 2019, 10, .	0.5	4
509	The relationship between additive manufacturing and circular economy: a sistematic review. Independent Journal of Management & Production, 2020, 11, 1648.	0.1	8
510	Cyber-physical systems: a case study of development for manufacturing industry. International Journal of Computer Applications in Technology, 2017, 55, 289.	0.3	3
511	Predictive Model Markup Language (PMML) Representation of Bayesian Networks: An Application in Manufacturing. Smart and Sustainable Manufacturing Systems, 2018, 2, 20180018.	0.3	5

#	Article	IF	CITATIONS
512	Digital Technologies Enabling Data of Production Systems for Decision Support. Smart and Sustainable Manufacturing Systems, 2020, 4, 62-79.	0.3	3
513	Intelligent data analytics is here to change engineering management. Frontiers of Engineering Management, 2017, 4, 41.	3.3	9
514	Key Factors to Promote Industry 4.0 Readiness at Indonesian Textile and Clothing Firm. Engineering, Mathematics and Computer Science Journal, 2020, 2, 73-83.	0.1	5
516	Patterns of digitalisation in machinery-building industries: evidence from Russia. Engineering Management in Production and Services, $2019,11,7-22$ .	0.5	15
517	Smart Manufacturing Support to Product Platforms in Industrialized House Building. Modular and Offsite Construction (MOC) Summit Proceedings, 0, , 284-292.	0.0	4
518	Industry 4.0: Some Challenges and Opportunities for Reliability Engineering. , 2019, 2, 23-34.		18
519	A Survey on the Concepts, Trends, Enabling Technologies, Architectures, Challenges and Open Issues in Cognitive IoT Based Smart Environments. International Journal of Scientific Research in Science, Engineering and Technology, 2018, , 512-522.	0.1	2
520	Substantiation and process design to manufacture polymer-concrete transfer cases for mining machines. Mining of Mineral Deposits, 2020, 14, 103-109.	1.2	9
521	Towards a Framework for Assessing the Maturity of Manufacturing Companies in Industry 4.0 Adoption. Advances in Business Information Systems and Analytics Book Series, 2018, , 224-254.	0.3	25
522	Evaluation of Influence of Principles Involved in Industry 4.0 Over Coal Industries Using TISM. Advances in Logistics, Operations, and Management Science Book Series, 2019, , 244-262.	0.3	1
523	Use of Industry 4.0 and Organisational Innovation Concepts in the Serbian Textile and Apparel Industry. Fibres and Textiles in Eastern Europe, 2019, 27, 10-18.	0.2	18
524	Exploring Sustainable Value Creation of Industry 4.0 Technologies Within the Socio-technical Perspective: A Meta-review. Lecture Notes in Information Systems and Organisation, 2021, , 153-166.	0.4	0
525	Strategic Key Elements in Big Data Analytics as Driving Forces of IoT Manufacturing Value Creation: A Challenge for Research Framework. IEEE Transactions on Engineering Management, 2024, 71, 90-105.	2.4	3
526	Cyber Physical Systems for Smarter Society: a use case in the manufacturing sector., 2021,,.		5
527	Sustainable supplier selection based on industry 4.0 initiatives within the context of circular economy implementation in supply chain operations. Production Planning and Control, 2023, 34, 999-1019.	5.8	47
528	Path of Smart Servitization and Transformation in the Textile Industry: A Case Study of Various Regions in China. Sustainability, 2021, 13, 11680.	1.6	5
529	Fuzzy decision-making model for process quality improvement of machine tool industry chain. Journal of Intelligent and Fuzzy Systems, 2022, 42, 1547-1558.	0.8	7
530	A review for advancements in standardization for additive manufacturing. Materials Today: Proceedings, 2022, 50, 1983-1990.	0.9	25

#	Article	IF	Citations
531	Spatial and Temporal Analysis of Sodium-Ion Batteries. ACS Energy Letters, 2021, 6, 4023-4054.	8.8	62
532	Attribute identification and predictive customisation using fuzzy clustering and genetic search for Industry 4.0 environments. , 2016, , .		5
533	Development of an assessment system based on manufacturing readiness level for smart manufacturing and supplier selection. International Journal of Computer Applications in Technology, 2017, 56, 87.	0.3	0
534	UMA ANÃŁISE BIBLIOMÉTRICA SOBRE REUSO DO CONHECIMENTO NO DESENVOLVIMENTO DE PRODUTO., o		0
535	Dynamizowanie przewagi konkurencyjnej w praktyce polskich przedsiębiorstw – testowanie narzędzia. Prace Naukowe Uniwersytetu Ekonomicznego We WrocÅ,awiu, 2018, , 11-26.	0.3	O
536	Smart Manufacturing Concept in Shipbuilding Process with Related Optimization Issues and Strategies., 0, , .		1
537	Cambiamento tecnologico e lavoro. gli impatti occupazionali di industria 4.0. Economia E SocietÀ Regionale, 2018, , 52-69.	0.2	1
538	Nachhaltigkeitsaspekte im Kontext von Digitalisierung und Industrie 4.0., 2019, , 475-491.		0
539	Developing Strategies and Current Trend of Smart Factory. Journal of International Logistics and Trade, 2018, 16, 88-94.	0.6	0
541	An ANP Approach for Prioritizing the Agile Project Management Criteria in Industry 4.0 Transition. Advances in Logistics, Operations, and Management Science Book Series, 2019, , 165-187.	0.3	2
542	Protocol for Organization of a Decentralized Autonomous Agents Network in Factories Using Market Mechanisms. International Journal of Mechanical Engineering and Robotics Research, 2019, , 771-778.	0.7	0
543	Internet of Things: Architecture, Key Applications, and Security Impacts., 2019, , 1-10.		0
544	Robotics in the Context of Industry 4.0: Patenting Activities in Poland and Their Comparison with Global Developments., 2019, 2/2019, 53-95.	0.0	6
545	Managing Earthwork Construction Business Institutions Applying Industry 4.0 Relating Technologies – The Case of German SMEs. Balkan Region Conference on Engineering and Business Education, 2019, 3, 299-306.	0.1	0
546	Usage of Industry 4.0 Technologies Among ISO 500 Manufacturing Firms in Turkey. Lecture Notes in Mechanical Engineering, 2020, , 335-347.	0.3	0
547	A Conceptual Framework for Adopting Automation and Robotics Innovations in the Transformational Companies in the Kingdom of Saudi Arabia. Advances in Intelligent Systems and Computing, 2020, , 894-905.	0.5	O
548	Industry 4.0 within the framework of Supply Chain: a literature review and future research directions. Yorum-Yönetim-Yöntem Uluslararası Yönetim-Ekonomi Ve Felsefe Dergisi, 2019, 7, 129-141.	0.2	0
550	A Smart Factory Setup based on the RoboCup Logistics League. , 2020, , .		1

#	Article	IF	CITATIONS
551	A REST and HTTP-based Service Architecture for Industrial Facilities. , 2020, , .		7
552	Defining stages of the Industry 4.0 adoption via indicator sets. Engineering Management in Production and Services, 2020, 12, 32-55.	0.5	8
553	Cyber-Physical Systems as an Enabler of Circular Economy to Achieve Sustainable Development Goals: A Comprehensive Review. International Journal of Precision Engineering and Manufacturing - Green Technology, 2022, 9, 955-975.	2.7	26
554	A labelling system and automation comparison index for industry 4.0 system. Industrial Robot, 2022, 49, 415-427.	1.2	3
555	Augmented Reality Application in Manufacturing Industry: Maintenance and Non-destructive Testing (NDT) Use Cases. Lecture Notes in Computer Science, 2020, , 333-344.	1.0	5
556	Managers' decisions and strategic actions of enterprises in Poland in the face of digital transformation. Ekonomia I Prawo, 2020, 19, 817.	0.1	4
557	Energy Management: Sustainable Approach Towards Industry 4.0., 2020, , .		2
558	Job profile of welding and machining in the ship industry of Penataran Angkatan Laut Company Indonesia. Journal of Physics: Conference Series, 2020, 1700, 012016.	0.3	1
559	Revealing the Content of Industry 4.0: A Review of Literature. Advances in Transdisciplinary Engineering, 2020, , .	0.1	0
560	Data architecture and model design for Industry 4.0 components integration in cyber-physical production systems. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2021, 235, 2338-2349.	1.5	11
561	A REAL TIME MONITORING SYSTEM FOR ELECTRICAL OVERHEAD MONORAIL CONVEYOR. , 0, , .		0
562	Past, present, and future research of digital twin for smart manufacturing. Journal of Computational Design and Engineering, 2021, 9, 1-23.	1.5	28
563	Fault prediction as a service in the smart factory: addressing common challenges for an effective implementation. IFAC-PapersOnLine, 2020, 53, 10743-10748.	0.5	0
564	Group Synchronization in Coordination Tasks via Network Control Methods. IFAC-PapersOnLine, 2020, 53, 10182-10187.	0.5	1
565	Highlighting the benefits of Industry 4.0 for production: an agent-based simulation approach. Gest $\tilde{A}$ £0 & Produ $\tilde{A}$ § $\tilde{A}$ £0, 2020, 27, .	0.5	1
566	Prioritisation of Challenges Towards Development of Smart Manufacturing Using BWM Method., 2020,, 409-426.		7
567	Improving Collaboration in Industry 4.0: The Usage of Blockchain for Knowledge Representation. Communications in Computer and Information Science, 2020, , 226-237.	0.4	1
569	Towards Smart Assessment: A Metamodel Proposal. Lecture Notes in Computer Science, 2020, , 23-32.	1.0	0

#	Article	IF	CITATIONS
570	SMME Readiness for Smart Manufacturing (4IR) Adoption: A Systematic Review. Lecture Notes in Computer Science, 2020, , 41-54.	1.0	10
571	Evaluation of OPC-UA communication in an autonomous advanced manufacturing cell implementation. Gestão & Produção, 2020, 27, .	0.5	5
572	Toward Holistic Integration of Computing and Wireless Networking. IFIP Advances in Information and Communication Technology, 2020, , 219-234.	0.5	1
573	Towards the Continuous Processes Modeling of Grain Handling in Storage Facility Using Unified Process Metamodel. Lecture Notes in Computer Science, 2020, , 241-252.	1.0	0
574	Internet of Things: Architecture, Key Applications, and Security Impacts., 2020,, 672-681.		0
575	Blockchain Governance for Collaborative Manufacturing. Advances in Computer and Electrical Engineering Book Series, 2020, , 193-225.	0.2	0
576	Evaluation and Optimization of Dual-Arm Robot Path Planning for Human–Robot Collaborative Tasks in Smart Manufacturing Contexts. ASME Letters in Dynamic Systems and Control, 2021, 1, .	0.4	3
577	The Current Status and Developing Trends of Industry 4.0: a Review. Information Systems Frontiers, 0, , 1.	4.1	34
578	Environmental sustainability: A technology acceptance perspective. International Journal of Information Management, 2022, 63, 102445.	10.5	14
579	Anomaly Segmentation Based on Depth Image for Quality Inspection Processes in Tire Manufacturing. Applied Sciences (Switzerland), 2021, 11, 10376.	1.3	4
580	Sensor-Based Machine Learning Approach for Indoor Air Quality Monitoring in an Automobile Manufacturing. Energies, 2021, 14, 7271.	1.6	0
581	Synergetic Modelling of Energy and Resource Efficiency as well as Occupational Safety and Health Risks of Plating Process Chains. International Journal of Precision Engineering and Manufacturing - Green Technology, 2022, 9, 795-815.	2.7	5
582	An Advanced IoT Platform and its Implementations Focused on Modern Information Technology Generation. , 2020, , .		3
583	Smart Manufacturing in the Wooden Single-Family House Industry – Status of Industry 4.0. Procedia CIRP, 2021, 104, 1488-1493.	1.0	2
584	Transformation of LEGO GROUP Business Model in the Digital Economy. , 0, , .		0
585	Immersive and interactive cyber-physical system (I2CPS) and virtual reality interface for human involved robotic manufacturing. Journal of Manufacturing Systems, 2022, 62, 234-248.	7.6	12
586	A novel directional object detection method for piled objects using a hybrid region-based convolutional neural network. Advanced Engineering Informatics, 2022, 51, 101448.	4.0	12
587	Toward a Smart Organization, Integrating KM Processes, and Organizational Capabilities. International Journal of Sociotechnology and Knowledge Development, 2022, 14, 1-28.	0.4	1

#	Article	IF	CITATIONS
588	Creating a Decentralized Communication Protocol for SMART Manufacturing Units Within Industry 4.0. Lecture Notes in Networks and Systems, 2022, , 731-741.	0.5	2
589	Effects of digitalization of industrial small and medium-sized enterprises in Industry 4.0. Regional Economics Theory and Practice, 2021, 19, 2086-2106.	0.1	1
590	Integrating the circular economy and industry 4.0 for sustainable development: Implications for responsible footwear production in a big data-driven world. Technological Forecasting and Social Change, 2022, 175, 121335.	6.2	31
591	Digital twin-driven complexity management in intelligent manufacturing. Digital Twin, 0, 1, 9.	0.0	5
593	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
594	Cyber-Physical Systems and Smart Cities in India: Opportunities, Issues, and Challenges. Sensors, 2021, 21, 7714.	2.1	8
595	Consequences in the Workplace After Industry 4.0 Adoption: A Multiple Case Study of Italian Manufacturing Organisations. Lecture Notes in Information Systems and Organisation, 2022, , 21-34.	0.4	0
596	Smart Production Planning and Control Model. Smart Innovation, Systems and Technologies, 2022, , 253-267.	0.5	2
598	The Destruction of Price-Representativeness. SSRN Electronic Journal, 0, , .	0.4	0
599	Integration of cyber-physical HVAC systems in Incremental Manufacturing to improve Energy Efficiency and Air Quality. Procedia CIRP, 2021, 104, 482-487.	1.0	2
600	Real-time locating systems (RTLS) in future factories: technology review, morphology and application potentials. Procedia CIRP, 2021, 104, 671-676.	1.0	12
601	Adoption of construction industry 4.0 among small and medium sized contractor in Malaysia. AIP Conference Proceedings, 2021, , .	0.3	5
602	Data-driven Analysis of Product Property Propagation to Support Process-integrated Quality Management in Manufacturing Systems. Procedia CIRP, 2021, 104, 900-905.	1.0	3
603	Miscanthus bioprocessing using HNO3-pretreatment to improve productivity and quality of bioethanol and downstream ethylene. Industrial Crops and Products, 2022, 177, 114448.	2.5	9
604	Identification and Characterization of Challenges in the Future of Manufacturing for the Application of Machine Learning. , 2020, , .		2
605	Industry 4.0 and Circular Economy: Integrated or disarticulated concepts? A research agenda. GEPROS: Gestão Da Produção, Operações E Sistemas, 2020, 15, 48-77.	0.0	1
606	Intelligent Supply Chain and Tech-Enabled Supply Chain Finance. , 2021, , 89-148.		1
607	A Sovereign Button Detection and Measure the Alignment Using Image Processing. , 2021, , .		0

#	Article	IF	CITATIONS
608	Evaluation of Robot Degradation on Human-Robot Collaborative Performance in Manufacturing. Smart and Sustainable Manufacturing Systems, 2022, 6, 23-36.	0.3	2
609	New Methodology for Evaluating Surface Quality of Experimental Aerodynamic Models Manufactured by Polymer Jetting Additive Manufacturing. Polymers, 2022, 14, 371.	2.0	8
610	Industry 4.0, Internal Green Supply Chain Practices, and the Firm's Sustainable Performance. , 2022, , 1-14.		1
612	Emergence of open supply chain management: the role of open innovation in the future smart industry using digital twin network. Annals of Operations Research, 2023, 329, 979-1007.	2.6	14
613	A Conceptual Definition and Future Directions of Urban Smart Factory for Sustainable Manufacturing. Sustainability, 2022, 14, 1221.	1.6	16
614	Digital Twin-Based Integrated Assessment of Flexible and Reconfigurable Automotive Part Production Lines. Machines, 2022, 10, 75.	1.2	8
615	Conventional and Recent Trends of Scaffolds Fabrication: A Superior Mode for Tissue Engineering. Pharmaceutics, 2022, 14, 306.	2.0	37
616	Smart Sustainable Production and Distribution Network Model for City Multi-Floor Manufacturing Clusters. Energies, 2022, 15, 488.	1.6	8
617	Influence of Mechanical Failures of the Welding Gun on the Magnetic Field Generated in the Measurement of Misalignment. Lecture Notes in Electrical Engineering, 2022, , 32-46.	0.3	0
618	Are smart manufacturing systems beneficial for all SMEs? Evidence from Korea. Management Decision, 2022, 60, 1719-1743.	2.2	9
619	Mapping the links between Industry 4.0, circular economy and sustainability: a systematic literature review. Journal of Enterprise Information Management, 2022, 35, 1-35.	4.4	60
620	Preliminary development of a system to manipulate and monitoring a flexible manufacturing cell. Revista De Operaciones Tecnol $\tilde{A}^3$ gicas, 0, , 18-25.	0.0	0
622	The Effect of Intelligent Manufacturing on Remanufacturing Decisions. SSRN Electronic Journal, 0, , .	0.4	0
623	Factors Affecting Successful Implementation of Smart Manufacturing Systems. International Journal of Software Innovation, 2022, 10, 1-18.	0.3	0
624	Beyond the Hype: Smart Manufacturing and Sustainable Excellence for SMEs. Industrial Ecology, 2022, , 107-122.	0.8	0
625	Overcoming the barriers of effective implementation of manufacturing execution system in pursuit of smart manufacturing in SMEs. Procedia Computer Science, 2022, 200, 820-832.	1.2	17
626	Digital Twin Perspective of Fourth Industrial and Healthcare Revolution. IEEE Access, 2022, 10, 25732-25754.	2.6	33
627	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

#	Article	IF	CITATIONS
628	Bootstrap–CURE: A Novel Clustering Approach for Sensor Data—An Application to 3D Printing Industry. Applied Sciences (Switzerland), 2022, 12, 2191.	1.3	1
629	Industry 4.0: Clustering of concepts and characteristics. Cogent Engineering, 2022, 9, .	1.1	41
630	Systematic Development of Sustainability-Oriented Cyber-Physical Production Systems. Sustainability, 2022, 14, 2080.	1.6	4
631	Facing the era of smartness: constructing a framework of required technology competencies for hospitality practitioners. Journal of Hospitality and Tourism Technology, 2022, 13, 500-526.	2.5	11
632	Modeling and Reasoning of Contexts in Smart Spaces Based on Stochastic Analysis of Sensor Data. Applied Sciences (Switzerland), 2022, 12, 2452.	1.3	0
633	Towards the Development of a Digital Twin for a Sustainable Mass Customization 4.0 Environment: A Literature Review of Relevant Concepts. Automation, 2022, 3, 197-222.	1.2	16
634	Quality 4.0 – understanding the criticality of the dimensions using the analytic hierarchy process (AHP) technique. International Journal of Quality and Reliability Management, 2022, 39, 1336-1367.	1.3	20
635	Workplace 4.0: Exploring the Implications of Technology Adoption in Digital Manufacturing on a Sustainable Workforce. Sustainability, 2022, 14, 3311.	1.6	22
636	Framework development and evaluation of Industry 4.0 technological aspects towards improving the circular economy-based supply chain. Industrial Robot, 2022, 49, 555-581.	1.2	8
637	An Attention-Based ConvLSTM Autoencoder with Dynamic Thresholding for Unsupervised Anomaly Detection in Multivariate Time Series. Machine Learning and Knowledge Extraction, 2022, 4, 350-370.	3.2	15
638	Disentangling Capabilities for Industry 4.0 - an Information Systems Capability Perspective. Information Systems Frontiers, 2022, , 1-29.	4.1	8
639	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
640	Production and operations management for intelligent manufacturing: a systematic literature review. International Journal of Production Research, 2022, 60, 808-846.	4.9	46
641	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
642	Application of Artificial Intelligence and Collaborative Knowledge for Manufacturing Design. Scientific Programming, 2021, 2021, 1-7.	0.5	1
643	Drivers of industry 4.0-enabled smart waste management in supply chain operations: a circular economy perspective in china. Production Planning and Control, 2023, 34, 870-886.	5.8	27
644	Application Massive Data Processing Platform for Smart Manufacturing Based on Optimization of Data Storage. ACM Transactions on Management Information Systems, 2022, 13, 1-20.	2.1	1
645	Innovative effects of digital transformation of industrial enterprises. Regional Economics Theory and Practice, 2022, 20, 659-677.	0.1	2

#	ARTICLE	IF	CITATIONS
646	Exploring the circular economy through coatings in transport. Sustainable Production and Consumption, 2022, 32, 136-146.	5.7	4
647	Robot learning towards smart robotic manufacturing: A review. Robotics and Computer-Integrated Manufacturing, 2022, 77, 102360.	6.1	52
650	Safeguarded optimal policy learning for a smart discrete manufacturing plant. IFAC-PapersOnLine, 2022, 55, 396-401.	0.5	0
651	3D Scenery Construction of Agricultural Environments for Robotics Awareness. Springer Optimization and Its Applications, 2022, , 125-142.	0.6	3
652	Digital Transformation of Russian Industry: The Specifics of Large, Medium and Small Enterprises. Lecture Notes in Information Systems and Organisation, 2022, , 307-319.	0.4	3
653	Future research avenues at the nexus of circular economy and digitalization. International Journal of Productivity and Performance Management, 2022, ahead-of-print, .	2.2	11
654	Novel Physical Fitness Fuzzy Evaluation Model for Individual Health Promotion. International Journal of Environmental Research and Public Health, 2022, 19, 5060.	1.2	2
655	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
656	Are Industry 4.0 technologies enablers of lean? Evidence from manufacturing industries. International Journal of Lean Six Sigma, 2023, 14, 115-138.	2.4	17
657	Potentials and technical implications of tag based and AI enabled optical real-time location systems (RTLS) for manufacturing use cases. CIRP Annals - Manufacturing Technology, 2022, 71, 401-404.	1.7	3
658	Urban entrepreneurship and sustainable businesses in smart cities: Exploring the role of digital technologies., 2022, 1, 100016.		44
659	A Cloud-Based Recognition Service for Agriculture During the COVID-19 Period in Taiwan. Journal of Global Information Management, 2021, 30, 1-18.	1.4	0
660	STGE: Sensor Topology and Graph Embedding Learning with Heterogeneous Smart Environment. , 2021, , .		0
663	Using Industry 4.0 Capabilities for Identifying and Eliminating Lean Wastes. Procedia CIRP, 2022, 107, 21-27.	1.0	11
664	Control for smart systems: Challenges and trends in smart cities. Annual Reviews in Control, 2022, 53, 358-369.	4.4	11
665	Data Mining Approach for Device Detection using Power Signatures and Manufacturing Execution System Data. Procedia CIRP, 2022, 107, 1047-1052.	1.0	0
666	Functional analysis of an Optical Real Time Locating System in production environments. Procedia CIRP, 2022, 107, 1107-1111.	1.0	1
667	Smart connected worker edge platform for smart manufacturing: Part 1â€"Architecture and platform design. Journal of Advanced Manufacturing and Processing, 2022, 4, .	1.4	3

#	Article	IF	CITATIONS
668	Development of a Virtual Metrology System for Smart Manufacturing: A Case Study of Spandex Fiber Production. SSRN Electronic Journal, 0, , .	0.4	0
669	Transition towards Smart Factories. International Journal of Computer Integrated Manufacturing, 2022, 35, 341-344.	2.9	7
670	Can intelligent manufacturing empower manufacturing? $\hat{a} \in \text{``an empirical study considering ambidextrous capabilities. Industrial Management and Data Systems, 2023, 123, 188-203.}$	2.2	9
671	Allocation of Resources for Cloud Survivability in Smart Manufacturing. ACM Transactions on Management Information Systems, 2022, 13, 1-11.	2.1	0
672	Smart connected worker edge platform for smart manufacturing: Part 2â€"Implementation and onâ€site deployment case study. Journal of Advanced Manufacturing and Processing, 2022, 4, .	1.4	4
673	Exploring the Application Sphere of the Internet of Things in Industry 4.0: A Review, Bibliometric and Content Analysis. Sensors, 2022, 22, 4276.	2.1	39
674	Performance evaluation of AI driven low carbon manufacturing industry in China: An interactive network DEA approach. Computers and Industrial Engineering, 2022, 170, 108248.	3.4	26
676	Integrating circular economy and Industry 4.0 for sustainable supply chain management: a dynamic capability view. Production Planning and Control, 2024, 35, 170-186.	5.8	27
677	Sustainability in Industry 4.0 Business Practice: Insights From a Multinational Technology Company. Frontiers in Sustainability, 0, 3, .	1.3	1
678	Industry 4.0 enabling sustainable supply chain development in the renewable energy sector: A multi-criteria intelligent approach. Technological Forecasting and Social Change, 2022, 182, 121813.	6.2	29
679	Impact of big data analytics on distributed manufacturing: Does big data help?. Journal of Process Management New Technologies, 2022, 10, 70-81.	0.2	1
680	The Digital Supply Chain—emergence, concepts, definitions, and technologies. , 2022, , 3-24.		21
681	Digital Manufacturing. , 2022, , 27-45.		10
682	The Challenges of Technology Transfer in the Industry 4.0 Era Regarding Anthropotechnological Aspects: A Systematic Review. SAGE Open, 2022, 12, 215824402211111.	0.8	2
683	Smart manufacturing powered by recent technological advancements: A review. Journal of Manufacturing Systems, 2022, 64, 236-250.	7.6	44
684	In-Process Identification of the Cutting Force Coefficients in Milling based on a Virtual Machining Model. International Journal of Precision Engineering and Manufacturing, 2022, 23, 839-851.	1.1	8
685	Developing a supervised machineâelearning model capable of distinguishing fiber orientation of polymer composite samples nondestructively tested using active ultrasonics. Journal of Advanced Manufacturing and Processing, 2023, 5, .	1.4	2
686	Quality-Based Supplier Selection Model for Products with Multiple Quality Characteristics. Sustainability, 2022, 14, 8532.	1.6	3

#	Article	IF	CITATIONS
687	Quality process reengineering in industry 4.0: A BPR perspective. Quality Engineering, 2023, 35, 110-129.	0.7	2
688	Digital Twin Technology — A bibliometric study of top research articles based on Local Citation Score. Journal of Manufacturing Systems, 2022, 64, 390-408.	7.6	9
689	Supply Chain 4.0 performance measurement: A systematic literature review, framework development, and empirical evidence. Transportation Research, Part E: Logistics and Transportation Review, 2022, 164, 102725.	3.7	30
690	Digital Twin-Based Integrated Monitoring System: Korean Application Cases. Sensors, 2022, 22, 5450.	2.1	20
691	THE CURRENT STATUS OF LEAN MANUFACTURING IN SMALL, MEDIUM AND LARGE SCALE MANUFACTURING COMPANIES OF KARACHI, PAKISTAN. Journal of Applied Engineering Science, 0, , 1-9.	0.4	0
692	A competitiveness measurement system of Brazilian start-ups. International Journal of Productivity and Performance Management, 2023, 72, 2919-2948.	2.2	4
693	Intelligent Anomaly Detection of Robot Manipulator based on Energy Consumption Auditing. , 2022, , .		2
694	Implementation of Industry 4.0 Enabling Technologies from Smart Manufacturing Perspective. Journal of Industrial Integration and Management, 0, , .	3.1	5
695	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
697	Smart Manufacturing through Machine Learning: A Review, Perspective, and Future Directions to the Machining Industry. Journal of Engineering (United States), 2022, 2022, 1-6.	0.5	6
698	How artificial intelligence and machine learning assist in industry 4.0 for mechanical engineers. Materials Today: Proceedings, 2023, 72, 622-625.	0.9	3
699	Die Fabrik der Zukunft. ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb, 2022, 117, 436-441.	0.2	1
700	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
701	Time lagged investigation of entrepreneurship school innovation climate and students motivational outcomes: Moderating role of students' attitude toward technology. Frontiers in Psychology, 0, 13, .	1.1	2
702	Smart manufacturing andÂsustainability: aÂbibliometric analysis. Benchmarking, 2023, 30, 3281-3301.	2.9	9
703	Framework for R&D&I Activities in the Steel Industry in Popularizing the Idea of Industry 4.0. Journal of Open Innovation: Technology, Market, and Complexity, 2022, 8, 133.	2.6	5
704	Business transformation through sustainability based on Industry 4.0. Heliyon, 2022, 8, e10015.	1.4	19
705	Digitalisation of manufacturing operations: The influential role of organisational, social, environmental, and technological impediments. Expert Systems With Applications, 2023, 211, 118501.	4.4	14

#	Article	IF	CITATIONS
706	Digitalization of an experimental electrochemical reactor via the smart manufacturing innovation platform. Digital Chemical Engineering, 2022, 5, 100050.	1.2	1
707	Theorizing the Principles of Sustainable Production in the context of Circular Economy and Industry 4.0. Sustainable Production and Consumption, 2022, 33, 1043-1058.	5.7	21
708	Assessing to what extent smart manufacturing builds on lean principles. International Journal of Production Economics, 2022, 253, 108599.	5.1	12
709	Impact of Brand Experience, Narcissism and Materialism on Luxury Purchase Behaviour Mediated by Online Buying Intentions. Advanced Series in Management, 2022, 29, 65-80.	0.8	1
710	Systems-based approach to contemporary business management: An enabler of business sustainability in a context of industry 4.0, circular economy, competitiveness and diverse stakeholders. Journal of Cleaner Production, 2022, 373, 133819.	4.6	29
711	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
712	Cyber-Physical System Platform and Applications for Smart Manufacturing in Global Automotive Industry. IFIP Advances in Information and Communication Technology, 2022, , 548-555.	0.5	0
713	Cloud Empowered Real-Time Virtual 3 Manufacturing Systems. , 2022, , 723-760.		0
714	Continuously Testing Distributed IoT Systems: An Overview ofÂtheÂState ofÂtheÂArt. Lecture Notes in Computer Science, 2022, , 336-350.	1.0	5
715	A Procedural Method to Build Decision Support Systems for Effective Interventions in Manufacturing – A Predictive Maintenance Example from the Spring Industry. IFIP Advances in Information and Communication Technology, 2022, , 198-209.	0.5	0
716	Introduction and State of the Art of Flexible Forming Technologies. Springer Tracts in Mechanical Engineering, 2022, , 1-28.	0.1	0
717	A Fine-Grained Attention Model for High Accuracy Operational Robot Guidance. IEEE Internet of Things Journal, 2023, 10, 1066-1081.	5.5	3
718	Knowledge-Driven Data Provision to Enhance Smart Manufacturing $\hat{a}\in$ A Case Study in Swedish Manufacturing SME. IFIP Advances in Information and Communication Technology, 2022, , 18-30.	0.5	0
719	Industry 4.0 Revolution and Its Impact on Society. Advances in Information Security, Privacy, and Ethics Book Series, 2022, , 167-185.	0.4	0
720	Three-stage algorithms for the large-scale dynamic vehicle routing problem with industry 4.0 approach. Journal of Management Analytics, 2022, 9, 313-329.	1.6	1
721	Dynamic Evaluation and Spatial Characteristics of Smart Manufacturing Capability in China. Sustainability, 2022, 14, 10733.	1.6	0
722	The HyDAPI framework: a versatile tool integrating Lean Six Sigma and digitalisation for improved quality management in Industry 4.0. International Journal of Lean Six Sigma, 2022, ahead-of-print, .	2.4	3
723	Design and Implementation of Cloud-Based Collaborative Manufacturing Execution System in the Korean Fashion Industry. Applied Sciences (Switzerland), 2022, 12, 9381.	1.3	1

#	ARTICLE	IF	CITATIONS
724	A review on flexibility of free bending forming technology for manufacturing thin-walled complex-shaped metallic tubes. International Journal of Lightweight Materials and Manufacture, 2023, 6, 165-188.	1.3	8
725	Visualization and visual analysis of multimedia data in manufacturing: A survey. Visual Informatics, 2022, 6, 12-21.	2.5	6
726	Systematic Review of the Relationship Between Advanced Production Management and Workplace Safety. Automation, Collaboration, and E-services, 2023, , 95-108.	0.5	0
727	Evolution of Knowledge Structure in an Emerging Field Based on a Triple Helix Model: the Case of Smart Factory. Journal of the Knowledge Economy, 2023, 14, 4583-4607.	2.7	4
728	Smartphone-Enabled Predictive Maintenance – Development and Implementation of a Reference Architecture and Processes. IEEE Transactions on Engineering Management, 2024, 71, 5261-5275.	2.4	3
729	Managerial Practices for the Digital Transformation of Manufacturers. Digital, 2022, 2, 463-483.	1.1	4
730	Intelligent Manufacturing Technology in the Steel Industry of China: A Review. Sensors, 2022, 22, 8194.	2.1	16
731	Levers of Cyber Physical Production Systems for Multi-Material Body Parts Manufacturing. Zukunftstechnologien Ful'r Den Multifunktionalen Leichtbau, 2023, , 55-65.	0.1	O
732	Machine learning techniques in additive manufacturing: a state of the art review on design, processes and production control. Journal of Intelligent Manufacturing, 2023, 34, 21-55.	4.4	41
733	STRATEGY OF DIGITAL TRANSFORMATION OF INDUSTRIAL ENTERPRISES: THE EFFECTS OF THE INTRODUCTION OF SMART MANUFACTURING TECHNOLOGIES. StrategiÄeskie ReÅjeniâ I Risk-Menedžment, 2022, 13, 210-22	.5 <sup>0.2</sup>	1
734	Differences Between Small and Medium Sized Companies When Realizing Smart Production –ÂExperiences from Northwest Smart Production Program in Denmark. , 2023, , 101-111.		2
735	The National R& D Landscape of Smart Manufacturing: A Topic Portfolio and Innovation Actors-wise Characteristics. Journal of Korean Institute of Industrial Engineers, 2022, 48, 528-537.	0.1	O
736	Identification of critical success factors for leveraging Industry 4.0 technology and research agenda: aÂsystematic literature review using PRISMA protocol. Asia-Pacific Journal of Business Administration, 2022, ahead-of-print, .	1.5	2
737	Industrial internet of things in intelligent manufacturing: a review, approaches, opportunities, open challenges, and future directions. International Journal on Interactive Design and Manufacturing, 0, ,	1.3	13
738	An IoT-based and cloud-assisted Al-driven monitoring platform forÂsmart manufacturing: design architecture and experimental validation. Journal of Manufacturing Technology Management, 2023, 34, 507-534.	3.3	4
739	Enhancing wisdom manufacturing as industrial metaverse for industry and society 5.0. Journal of Intelligent Manufacturing, 2024, 35, 235-255.	4.4	24
740	DesafÃos geopolÃticos y nuevos dilemas para las polÃticas industriales. Ciencia Y Poder Aéreo, 2022, 18, .	0.0	1
741	Sensor Data Prediction techniques for nodes in IoT (poster). , 2019, , .		1

#	Article	IF	CITATIONS
742	Study on the Predictive of Dynamic Milling Force of Milling Process Based on Data Mining. Wuhan University Journal of Natural Sciences, 2022, 27, 439-452.	0.2	0
743	Scientometric analysis and systematic review of smart manufacturing technologies applied to the 3D printing polymer material extrusion system. Journal of Intelligent Manufacturing, 2024, 35, 3-33.	4.4	5
744	Education as a Promoter of Digital Transformation in the Manufacturing Industry. Lecture Notes in Networks and Systems, 2023, , 179-190.	0.5	1
745	Critical Barriers to Industry 4.0 Adoption in Manufacturing Organizations and Their Mitigation Strategies. Journal of Manufacturing and Materials Processing, 2022, 6, 136.	1.0	8
746	Examining the role of virtue ethics and big data in enhancing viable, sustainable, and digital supply chain performance. Technological Forecasting and Social Change, 2023, 186, 122154.	6.2	21
747	The interplay between data-driven decision-making and digitalization: A firm-level survey of the Italian and U.S. automotive industries. International Journal of Production Economics, 2023, 255, 108718.	5.1	11
748	Knowledge management and Industry 4.0: a critical analysis and future agenda. Gestão & Produção, 0, 29, .	0.5	10
749	Immersive virtual reality application for intelligent manufacturing: Applications and art design. Mathematical Biosciences and Engineering, 2022, 20, 4353-4387.	1.0	3
750	Development of a virtual metrology system for smart manufacturing: A case study of spandex fiber production. Computers in Industry, 2023, 145, 103825.	5.7	1
751	A multi-model data-fusion based deep transfer learning for improved remaining useful life estimation for IIOT based systems. Engineering Applications of Artificial Intelligence, 2023, 119, 105712.	4.3	6
752	Intelligent technologies for construction machinery using data-driven methods. Automation in Construction, 2023, 147, 104711.	4.8	19
753	PAST, PRESENT AND FUTURE OF DIGITALIZATION OF LOGISTIC OPERATION: A BIBLIOMETRIC ANALYSIS., 0, , .		0
754	Bibliometric-based visualization knowledge graph analysis of smart factory. , 2022, , .		0
755	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
757	The Development and Evolution of Digital Leadership: A Bibliometric Mapping Approach-Based Study. Sustainability, 2022, 14, 16171.	1.6	20
758	Green manufacturing via machine learning enabled approaches. International Journal on Interactive Design and Manufacturing, 0, , .	1.3	5
759	Industry 4.0: technical qualifications for the fourth industrial revolution in Brazil. GEPROS: Gestão Da Produção, OperaÁ§Ãµes E Sistemas, 2022, 17, 32-61.	0.0	0
760	Paradoxes on sustainable performance in Dhaka's enterprising community: a moderated-mediation evidence from textile manufacturing SMEs. Journal of Enterprising Communities, 2024, 18, 145-173.	1.6	5

#	Article	IF	Citations
761	Smart Factory Navigator. , 2023, , 7-31.		1
762	Digital Twin-Based Analysis and Optimization for Design and Planning of Production Lines. Machines, 2022, 10, 1147.	1.2	5
763	Lean and Industry 4.0: A bibliometric analysis, opportunities for future research directions. Quality Management Journal, 2023, 30, 41-63.	0.9	6
764	Challenges and Opportunities of Digitalization in Mexico. , 2023, , 451-474.		2
765	A Survey of Cyber-Physical Systems Applications (2017–2022). , 2022, , 1-29.		0
766	A novel collaborative optimization assembly process method for multi-performance of aeroengine rotors. International Journal of Advanced Manufacturing Technology, 2023, 125, 1827-1843.	1.5	1
767	The extreme return connectedness between Sukuk and green bonds and their determinants and consequences for investors. Pacific-Basin Finance Journal, 2023, 77, 101936.	2.0	7
768	Selection of Manufacturing Technologies in the Context of Digital Transformation: A Systematic Review. IEEE Engineering Management Review, 2023, 51, 143-163.	1.0	1
769	The Key Role of Laser Ultrasonics in the Context of Sustainable Production in an I 4.0 Value Chain. Applied Sciences (Switzerland), 2023, 13, 733.	1.3	2
770	Adoption of information and digital technologies for sustainable smart manufacturing systems for industry 4.0 in small, medium, and micro enterprises (SMMEs). Technological Forecasting and Social Change, 2023, 188, 122308.	6.2	29
771	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
772	The impact of Industry 4.0 technologies and the soft side ofÂTQM on organisational performance: a multiple case studyÂanalysis on manufacturing organisations. TQM Journal, 2022, ahead-of-print, .	2.1	2
773	Barriers in Smart Green Resilient Lean Manufacturing: An ISM Approach. EAI/Springer Innovations in Communication and Computing, 2023, , 123-139.	0.9	0
774	Unveiling the Role of Evolutionary Technologies for Building Circular Economy-Based Sustainable Manufacturing Supply Chain. EAI/Springer Innovations in Communication and Computing, 2023, , 51-78.	0.9	2
775	Application of AI failure identification techniques in condition monitoring using wavelet analysis. International Journal of Advanced Manufacturing Technology, 0, , .	1.5	0
776	Modelling theÂTop Floor: Internal andÂExternal Data Integration andÂExchange. , 2023, , 281-307.		0
777	A Digital Twin-Based Heuristic Multi-Cooperation Scheduling Framework for Smart Manufacturing in IIoT Environment. Applied Sciences (Switzerland), 2023, 13, 1440.	1.3	7
778	Digital Transformation and Circular Economy for Sustainability. , 2022, , 2147-2160.		0

#	Article	IF	CITATIONS
779	Industry 4.0 in Metal Forming Industry Towards Automotive Applications: A Review., 0,, 2.		2
780	Smart Manufacturing. , 2023, , 49-66.		1
781	Big Data Life Cycle in Shop-Floor–Trends and Challenges. IEEE Access, 2023, 11, 30008-30026.	2.6	4
782	Smart Transportation: An Overview of Technologies and Applications. Sensors, 2023, 23, 3880.	2.1	34
783	Big data analytics challenges to implementing the intelligent Industrial Internet of Things (IIoT) systems in sustainable manufacturing operations. Technological Forecasting and Social Change, 2023, 190, 122401.	6.2	21
784	Tool wear classification based on convolutional neural network and time series images during high precision turning of copper. Wear, 2023, 522, 204692.	1.5	12
785	A Taxonomy and Archetypes of Business Analytics in Smart Manufacturing. Data Base for Advances in Information Systems, 2023, 54, 11-45.	1.1	2
786	Trusted Operation of Cyber-Physical Processes Based on Assessment of the System's State and Operating Mode. Sensors, 2023, 23, 1996.	2.1	2
787	Camera-based Progress Estimation of Assembly Work Using Deep Metric Learning. , 2023, , .		0
788	A Deep Trajectory Controller for a Mechanical Linear Stage Using Digital Twin Concept. Actuators, 2023, 12, 91.	1.2	4
789	Task Classification Framework and Job-Task Analysis Method for Understanding the Impact of Smart and Digital Technologies on the Operators 4.0 Job Profiles. Sustainability, 2023, 15, 3899.	1.6	4
790	Investigating the effect of intelligent assistance systems on motivational work characteristics in assembly. Journal of Intelligent Manufacturing, 0, , .	4.4	2
791	Assessing Lean 4.0 for Industry 4.0 Readiness Using PLS-SEM towards Sustainable Manufacturing Supply Chain. Sustainability, 2023, 15, 3950.	1.6	13
792	Social Capital and NBIC Convergence: Application of the System Paradigm. Lecture Notes in Networks and Systems, 2023, , 1472-1479.	0.5	0
793	The effect of intelligent manufacturing on remanufacturing decisions. Computers and Industrial Engineering, 2023, 178, 109114.	3.4	10
794	A DFT Based Approach for NO <sub>2</sub> Sensing Using Vander Wall Hetero Monolayer. IETE Journal of Research, 0, , 1-12.	1.8	0
795	Energy Consumption Optimization of Milk-Run-Based In-Plant Supply Solutions: An Industry 4.0 Approach. Processes, 2023, 11, 799.	1.3	1
796	DIGITAL TRANSFORMATION IN OPERATIONS MANAGEMENT: A BIBLIOMETRIC-BASED SYSTEMATIC REVIEW. International Journal of Management Economics and Business, 0, , .	0.4	0

#	Article	IF	CITATIONS
797	Accelerating the renewable energy sector through Industry 4.0: Optimization opportunities in the digital revolution. International Journal of Innovation Studies, 2023, 7, 171-188.	1.4	15
798	Industry 4.0 and Beyond: A Review of the Literature on the Challenges and Barriers Facing the Agri-Food Supply Chain. Sustainability, 2023, 15, 5078.	1.6	6
799	Application of sustainable smart manufacturing technologies and toolkits in the automotive industry. International Journal of Low-Carbon Technologies, 2023, 18, 412-422.	1.2	1
800	Estimation of Measurement Uncertainty of the Real-Time Location System (RTLS) with Ultra-Wideband (UWB) Technology. Metrology, 2023, 3, 113-130.	0.9	1
801	Modelling and analysing theÂenablers of digital resilience forÂsmall and medium enterprises. Journal of Enterprise Information Management, 2023, ahead-of-print, .	4.4	9
802	一ç\$æ—°çš"æµçï‹å·¥ä¸šä⅓业智èf½å^¶é€å‡†å₱度评ä⅓°æ¨¡åž‹:æµçï‹å·¥ä¸šæ™ºèf⅓å^¶é€å‡†å₱度指æ•′	°(PIMRI). F	Fro <b>o</b> tiers of In
803	Gerenciamento e integração das pessoas com as tecnologias: relaçÃμes entre a Indðstria 4.0 e Lean Kata. GeSec, 2023, 14, 3874-3892.	0.1	0
804	Impact of Industry 4.0 Technology on International Posting of Workers. SAGE Open, 2023, 13, 215824402311634.	0.8	1
805	Smart Manufacturing. Advances in Computational Intelligence and Robotics Book Series, 2023, , 278-300.	0.4	1
806	Distributed Control of Cyber Physical System on Various Domains: A Critical Review. Systems, 2023, 11, 208.	1.2	6
807	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
810	Industry 4.0 based Machine Learning Models for Anomalous Product Detection and Classification. , 2023, , .		2
812	Digital Twins for Energy-Efficient Manufacturing. , 2023, , .		0
813	Benefits andÂChallenges ofÂIndustry 4.0 inÂAfrican Emerging Economies. Communications in Computer and Information Science, 2023, , 261-276.	0.4	1
819	Ground Network Security., 2023,, 67-287.		0
820	Water management towards sustainable food industry. , 2023, , 309-330.		0
821	Assessment of Philippine MSMEs' Shop Floor Automation Level and Barriers to Their Technology Upgrading. , 2022, , .		0
823	Comparative Advantage Analysis of Electrical and Electronic Equipments (HS 85) in ASEAN+6., 2023, , 35-46.		0

#	Article	IF	CITATIONS
826	Modeling of Organizational Influencing Factors for Smart Manufacturing in the Indian Context by Using the DEMATEL Method., 2023, , .		1
828	Application of Latent Dirichlet Allocation Topic Model in Identifying 4IR Research Trends. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2023, , 74-94.	0.2	0
837	Predictive Maintenance of Mechanical Systems Using Data Analytics. Advances in Intelligent Systems and Computing, 2023, , 8-17.	0.5	0
838	A Comparative Study of Statistical Approaches for Data Classification in SCM. , 2023, , .		O
839	Cyber Security Development and Critical Evaluation About Current Barriers and Opportunities. , 2023, , .		0
840	Al-Assisted Resource Allocation for Improved Business Efficiency and Profitability., 2023,,.		0
841	A Decision-Aiding Procedure for the Selection of Manufacturing Technologies. , 2023, , 40-46.		0
842	The smart factory model for bogie assembly workshop in the rolling stock industry. AIP Conference Proceedings, 2023, , .	0.3	0
843	The Development of a Robotic Digital Twin for the Life Science Sector. Lecture Notes in Mechanical Engineering, 2024, , 567-574.	0.3	0
844	Lean 4.0 Deployment Case Studies in UK Industrial Companies: Lessons Learned. Lecture Notes in Mechanical Engineering, 2024, , 324-331.	0.3	1
850	A Survey of Cyber-physical Systems Applications (2017–2022). , 2023, , 2089-2117.		1
851	The Analysis of Sensory Data from Smart Office Environment Towards the Development of an Intelligent System. Springer Proceedings in Energy, 2023, , 169-178.	0.2	0
854	Recent Developments on Smart Manufacturing. Environmental Footprints and Eco-design of Products and Processes, 2024, , 17-28.	0.7	0
857	An MDP-based Method for Dynamic Workforce Allocation in Bernoulli Serial Production Lines. , 2023, , .		0
859	A Bibliometric Analysis of Smart Manufacturing and Way Forward. Environmental Footprints and Eco-design of Products and Processes, 2024, , 137-158.	0.7	0
861	Full Automation of a Manual Inspection Unit for Industrial Borescopy. Advances in Science and Technology, 0, , .	0.2	0
869	ReSOLVE Framework. Advances in Web Technologies and Engineering Book Series, 2023, , 313-334.	0.4	0
875	The Barriers Related to Smart Manufacturing Systems and an Application for the Selection of Innovation Management Model: The Case of Samsun Province. , 2024, , 91-110.		0

#	Article	IF	CITATIONS
876	Kýnstliche Intelligenz in Familienunternehmen. , 2023, , 207-223.		0
878	Smart manufacturing through machine learning: A review, perspective and future directions to machining industry. AIP Conference Proceedings, 2023, , .	0.3	0
882	Next Generation Intelligent IoT Use Case in Smart Manufacturing. Lecture Notes in Networks and Systems, 2023, , 265-277.	0.5	0
884	Background and Technologies. , 2024, , 33-74.		0
885	Toward an Industrial Robot Gym. , 2024, , 121-141.		0
886	The Shift Towards Operations Management 4.0. Advances in E-Business Research Series, 2023, , 160-221.	0.2	0
892	Digital twin-based decision support system for planning and scheduling. , 2024, , 213-245.		0
893	Analysis of Supply Chain in a Biomedical Industry of Mexicali. Impact of Meat Consumption on Health and Environmental Sustainability, 2024, , 478-498.	0.4	O
900	Predictive Maintenance for Industrial Equipments Using ML & DL., 2023,,.		0
902	Contribution of Industry 4.0 Technologies in Adopting Metrology 4.0 in Manufacturing Industries. Management and Industrial Engineering, 2024, , 43-72.	0.3	0
907	Manufacturing SME Strategy to Grow and Develop in an Emerging Economy. Advances in Logistics, Operations, and Management Science Book Series, 2023, , 1-35.	0.3	0