Jiewu Leng

List of Publications by Citations

107	2,736	27	50
papers	citations	h-index	g-index
118	3,696	4.2	6.25
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
107	A Digital Twin-Based Approach for Designing and Multi-Objective Optimization of Hollow Glass Production Line. *IEEE Access*, **2017**, 5, 26901-26911	3.5	201
106	Digital twin-driven manufacturing cyber-physical system for parallel controlling of smart workshop. *Journal of Ambient Intelligence and Humanized Computing*, **2019**, 10, 1155-1166	3.7	198
105	Towards a cyber-physical-social-connected and service-oriented manufacturing paradigm: Social Manufacturing. *Manufacturing Letters*, **2016**, 7, 15-21	4.5	144
104	Digital twin-driven rapid individualised designing of automated flow-shop manufacturing system. *International Journal of Production Research*, **2019**, 57, 3903-3919	7.8	141
103	Blockchain-empowered sustainable manufacturing and product lifecycle management in industry 4.0: A survey. *Renewable and Sustainable Energy Reviews*, **2020**, 132, 110112	16.2	125
102	Digital twin-driven rapid reconfiguration of the automated manufacturing system via an open architecture model. *Robotics and Computer-Integrated Manufacturing*, **2020**, 63, 101895	9.2	108
101	ManuChain: Combining Permissioned Blockchain With a Holistic Optimization Model as Bi-Level Intelligence for Smart Manufacturing. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2019**, 1-11	7.3	102
100	Digital twin-based designing of the configuration, motion, control, and optimization model of a flow-type smart manufacturing system. *Journal of Manufacturing Systems*, **2021**, 58, 52-64	9.1	92
99	Makerchain: A blockchain with chemical signature for self-organizing process in social manufacturing. *Journal of Cleaner Production*, **2019**, 234, 767-778	10.3	90
98	A deep learning approach for relationship extraction from interaction context in social manufacturing paradigm. *Knowledge-Based Systems*, **2016**, 100, 188-199	7.3	90
97	Blockchain-Secured Smart Manufacturing in Industry 4.0: A Survey. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 51, 237-252	7.3	75
96	RFID-enabled social manufacturing system for inter-enterprise monitoring and dispatching of integrated production and transportation tasks. *Robotics and Computer-Integrated Manufacturing*, **2018**, 49, 120-133	9.2	74
95	Digital twins-based smart manufacturing system design in Industry 4.0: A review. *Journal of Manufacturing Systems*, **2021**, 60, 119-137	9.1	70
94	Combining granular computing technique with deep learning for service planning under social manufacturing contexts. *Knowledge-Based Systems*, **2018**, 143, 295-306	7.3	67
93	Social manufacturing as a sustainable paradigm for mass individualization. *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*, **2016**, 230, 1961-1968	2.4	63
92	Web-based digital twin modeling and remote control of cyber-physical production systems. *Robotics and Computer-Integrated Manufacturing*, **2020**, 64, 101956	9.2	54
91	Digital twin-driven joint optimisation of packing and storage assignment in large-scale automated high-rise warehouse product-service system. *International Journal of Computer Integrated Manufacturing*, **2019**, 1-18	4.3	52

90	RFID-enabled real-time manufacturing information tracking infrastructure for extended enterprises. *Journal of Intelligent Manufacturing*, **2012**, 23, 2357-2366	6.7	45
89	Dynamic scheduling in RFID-driven discrete manufacturing system by using multi-layer network metrics as heuristic information. *Journal of Intelligent Manufacturing*, **2019**, 30, 979-994	6.7	44
88	Real-time machining data application and service based on IMT digital twin. *Journal of Intelligent Manufacturing*, **2020**, 31, 1113-1132	6.7	42
87	Implementing of a three-phase integrated decision support model for parts machining outsourcing. *International Journal of Production Research*, **2014**, 52, 3614-3636	7.8	40
86	Modeling and analyzing of an enterprise relationship network in the context of social manufacturing. *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*, **2016**, 230, 752-769	2.4	38
85	Cloud manufacturing: key issues and future perspectives. *International Journal of Computer Integrated Manufacturing*, **2019**, 32, 858-874	4.3	36
84	Manifold learning based rescheduling decision mechanism for recessive disturbances in RFID-driven job shops. *Journal of Intelligent Manufacturing*, **2018**, 29, 1485-1500	6.7	33
83	Modeling and analyzing of an enterprise collaboration network supported by service-oriented manufacturing. *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*, **2012**, 226, 1579-1593	2.4	33
82	Digital Twin-Driven Cyber-Physical System for Autonomously Controlling of Micro Punching System. *IEEE Access*, **2019**, 7, 9459-9469	3.5	32
81	Real-time quality monitoring and predicting model based on error propagation networks for multistage machining processes. *Journal of Intelligent Manufacturing*, **2014**, 25, 521-538	6.7	32
80	Outsourcer–supplier coordination for parts machining outsourcing under social manufacturing. *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*, **2017**, 231, 1078-1090	2.4	25
79	Evaluation across and within collaborative manufacturing networks: a comparison of manufacturers' interactions and attributes. *International Journal of Production Research*, **2018**, 56, 5131-5146	7.8	25
78	TeleRP - an Internet web-based solution for remote rapid prototyping service and maintenance. *International Journal of Computer Integrated Manufacturing*, **2001**, 14, 83-94	4.3	25
77	Incorporating social sensors, cyber-physical system nodes, and smart products for personalized production in a social manufacturing environment. *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*, **2018**, 232, 2323-2338	2.4	24
76	A framework of credit assurance mechanism for manufacturing services under social manufacturing context **2017**,		23
75	Contextual self-organizing of manufacturing process for mass individualization: a cyber-physical-social system approach. *Enterprise Information Systems*, **2020**, 14, 1124-1149	3.5	23
74	Digital twins-based remote semi-physical commissioning of flow-type smart manufacturing systems.. *Journal of Cleaner Production*, **2021**, 306, 127278	10.3	23
73	A hybrid-data-on-tag–enabled decentralized control system for flexible smart workpiece manufacturing shop floors. *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, **2017**, 231, 764-782	1.3	22

72	Granular computing-based development of service process reference models in social manufacturing contexts. *Concurrent Engineering Research and Applications*, **2017**, 25, 95-107	1.7	22
71	An RFID-Driven Graphical Formalized Deduction for Describing the Time-Sensitive State and Position Changes of Work-in-Progress Material Flows in a Job-Shop Floor. *Journal of Manufacturing Science and Engineering, Transactions of the ASME*, **2013**, 135,	3.3	20
70	A survey of feature modeling methods: Historical evolution and new development. *Robotics and Computer-Integrated Manufacturing*, **2020**, 61, 101851	9.2	20
69	RFID-Enabled Physical Object Tracking in Process Flow Based on an Enhanced Graphical Deduction Modeling Method. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2017**, 47, 3006-3018	7.3	19
68	A loosely-coupled deep reinforcement learning approach for order acceptance decision of mass-individualized printed circuit board manufacturing in industry 4.0. *Journal of Cleaner Production*, **2021**, 280, 124405	10.3	19
67	Blockchain Security: A Survey of Techniques and Research Directions. *IEEE Transactions on Services Computing*, **2021**, 1-1	4.8	17
66	Mining and Matching Relationships From Interaction Contexts in a Social Manufacturing Paradigm. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2016**, 1-13	7.3	16
65	Framework and Key Enabling Technologies for Social Manufacturing. *Applied Mechanics and Materials*, **2013**, 312, 498-501	0.3	14
64	A performance evaluation method for radio frequency identification-based tracking network of job-shop-type work-in-process material flows. *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*, **2013**, 227, 1541-1557	2.4	13
63	The configuration of social manufacturing: a social intelligence way toward service-oriented manufacturing. *International Journal of Manufacturing Research*, **2017**, 12, 4	0.4	12
62	Incorporating Social Sensors and CPS Nodes for Personalized Production under Social Manufacturing Environment. *Procedia CIRP*, **2016**, 56, 366-371	1.8	12
61	Analysis of personalized production organizing and operating mechanism in a social manufacturing environment. *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*, **2018**, 232, 2670-2676	2.4	11
60	A resource-oriented middleware in a prototype cyber-physical manufacturing system. *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*, **2018**, 232, 2339-2352	2.4	11
59	Complexity analysis of distributed measuring and sensing network in multistage machining processes. *Journal of Intelligent Manufacturing*, **2013**, 24, 55-69	6.7	11
58	Demand-based manufacturing service capability estimation of a manufacturing system in a social manufacturing environment. *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*, **2017**, 231, 1275-1297	2.4	10
57	Social manufacturing: A survey of the state-of-the-art and future challenges **2016**,		10
56	Using mobile agents to encapsulate manufacturing resources over the Internet. *International Journal of Advanced Manufacturing Technology*, **2005**, 25, 189-197	3.2	10
55	Costing-based coordination between mt-iPSS customer and providers for job shop production using game theory. *International Journal of Production Research*, **2017**, 55, 430-446	7.8	9

54	A distributed configuration scheme for warehouse product service system. *Advances in Mechanical Engineering*, **2017**, 9, 168781401770643	1.2	9
53	Feature-based intelligent system for steam simulation using computational fluid dynamics. *Advanced Engineering Informatics*, **2018**, 38, 357-369	7.4	9
52	Enhanced agents in shared factory: Enabling high-efficiency self-organization and sustainability of the shared manufacturing resources. *Journal of Cleaner Production*, **2021**, 292, 126020	10.3	9
51	Implementing a WebAPP-based Software Framework for Manufacturing Execution Systems. *IFAC-PapersOnLine*, **2015**, 48, 388-393	0.7	8
50	RFID Based e-quality tracking in service-oriented manufacturing execution system. *Chinese Journal of Mechanical Engineering (English Edition)*, **2012**, 25, 974-981	2.5	8
49	Socialized and self-organized collaborative designer community-resilience modeling and assessment. *Research in Engineering Design - Theory, Applications, and Concurrent Engineering*, **2020**, 31, 3-24	3.5	8
48	Modeling of Machining Error Propagation Network for Multistage Machining Processes. *Lecture Notes in Computer Science*, **2008**, 408-418	0.9	6
47	Investigation on industrial dataspace for advanced machining workshops: enabling machining operations control with domain knowledge and application case studies. *Journal of Intelligent Manufacturing*, **2020**, 1	6.7	6
46	An investigation on establishing small- and medium-sized enterprises communities under the environment of social manufacturing. *Concurrent Engineering Research and Applications*, **2018**, 26, 251-264	1.7	6
45	An Enhanced DMAIC Method for Feature-Driven Continuous Quality Improvement for Multi-Stage Machining Processes in One-of-a-Kind and Small-Batch Production. *IEEE Access*, **2019**, 7, 32492-32503	3.5	5
44	Mini-MES: A Microservices-Based Apps System for Data Interconnecting and Production Controlling in Decentralized Manufacturing. *Applied Sciences (Switzerland)*, **2019**, 9, 3675	2.6	5
43	An extended machining error propagation network model for small-batch machining process control of aircraft landing gear parts. *Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering*, **2017**, 231, 1347-1365	0.9	5
42	Quality Prediction of Multistage Machining Processes Based on Assigned Error Propagation Network. *Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering*, **2013**, 49, 160	1.3	5
41	A cyber-physical production monitoring service system for energy-aware collaborative production monitoring in a smart shop floor. *Journal of Cleaner Production*, **2021**, 297, 126599	10.3	5
40	Resilience dynamics modeling and control for a reconfigurable electronic assembly line under spatio-temporal disruptions. *Journal of Manufacturing Systems*, **2021**, 60, 852-863	9.1	5
39	Sensitivity analysis-based process stability evaluation for one-of-a-kind production. *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, **2019**, 233, 63-77	1.3	5
38	Social factory as a production node of social manufacturing. *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, **2019**, 233, 5144-5160	1.3	4
37	Method of change management based on dynamic machining error propagation. *Science in China Series D: Earth Sciences*, **2009**, 52, 1811-1820		4

36	Digital Twin-Driven Rapid Customized Design of Board-Type Furniture Production Line. *Journal of Computing and Information Science in Engineering*, **2021**, 21,	2.4	4
35	Algorithms for the variable-sized bin packing problem with time windows. *Computers and Industrial Engineering*, **2021**, 155, 107175	6.4	4
34	Combining the strength of centralized control and distributed autonomy for crowdsourcing design: An integrated model of Blackboard and Bayesian network. *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*, **2021**, 235, 1084-1097	2.4	3
33	A Manufacturing Network Modeling and Evolution Characterizing Approach for Self-Organization Among Distributed MSMEs Under Social Manufacturing Context. *IEEE Access*, **2020**, 8, 119236-119251	3.5	3
32	Deep learning and complex network theory based analysis on socialized manufacturing resources utilisations and an application case study. *Concurrent Engineering Research and Applications*, **2021**, 29, 236-248	1.7	3
31	The production instruction system for smart job shop **2016**,		3
30	Development of a micro punching machine tool for micro lens array on steel mold. *International Journal of Advanced Manufacturing Technology*, **2020**, 106, 4307-4320	3.2	2
29	Blockchain Models for Cyber-Credits of Social Manufacturing. *Springer Series in Advanced Manufacturing*, **2019**, 197-217	0.9	2
28	Industrial Dataspace: A Broker to Run Cyber-Physical-Social Production System in Level of Machining Workshops **2019**,		2
27	Mobi-POSP: A Web-Based Mobile Producing and Outsourcing Service Platform for Industrial Equipment Manufacturing. *Advanced Materials Research*, **2014**, 889-890, 1306-1309	0.5	2
26	A Digital Twin-Oriented Lightweight Approach for 3D Assemblies. *Machines*, **2021**, 9, 231	2.9	2
25	A blockchain-driven cyber-credit evaluation approach for establishing reliable cooperation among unauthentic MSMEs in social manufacturing. *Industrial Management and Data Systems*, **2020**, 121, 724-749	3.6	2
24	Industrial Cases Concerning Social Manufacturing. *Springer Series in Advanced Manufacturing*, **2019**, 271-299	0.9	2
23	Social Manufacturing Paradigm: Concepts, Architecture and Key Enabled Technologies. *Springer Series in Advanced Manufacturing*, **2019**, 13-50	0.9	2
22	Product Service Systems for Social Manufacturing: A new service system with multi-provider. *IFAC-PapersOnLine*, **2019**, 52, 749-754	0.7	2
21	Manufacturing service order allocation in the context of social manufacturing based on Stackelberg game. *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*, **2019**, 233, 1890-1901	2.4	2
20	Digital Twins-Based Smart Design and Control of Ultra-Precision Machining: A Review. *Symmetry*, **2021**, 13, 1717	2.7	2
19	An iteratively doubling local search for the two-dimensional irregular bin packing problem with limited rotations. *Computers and Operations Research*, **2022**, 137, 105550	4.6	2

18	Cloud-edge orchestration-based bi-level autonomous process control for mass individualization of rapid printed circuit boards prototyping services. *Journal of Manufacturing Systems*, **2022**, 63, 143-161	9.1	2
17	Modelling and prediction of the effect of cutting strategy on surface generation in ultra-precision raster milling. *International Journal of Computer Integrated Manufacturing*, **2017**, 30, 895-909	4.3	1
16	Experiment Study of the Fast Tool Servo (FTS) by Laser Interferometer. *Key Engineering Materials*, **2014**, 625, 178-181	0.4	1
15	Accurate experimental detection method for characterizing superoscillatory lenses made from multiannular metasurfaces. *Optical Engineering*, **2018**, 57, 1	1.1	1
14	Social Manufacturing: What are its key fundamentals?. *IFAC-PapersOnLine*, **2020**, 53, 65-70	0.7	1
13	Socialized Manufacturing Resources and Interconnections. *Springer Series in Advanced Manufacturing*, **2019**, 51-65	0.9	1
12	Consortium blockchain-driven decentralized organization and operation for manufacturing community in social manufacturing **2020**,		1
11	A matrix analytic approach for Bayesian network modeling and inference of a manufacturing system. *Journal of Manufacturing Systems*, **2021**, 60, 202-213	9.1	1
10	A new method to produce optical nano-needle. *International Journal of Advanced Manufacturing Technology*, **2019**, 104, 27-32	3.2	1
9	Bi-level artificial intelligence model for risk classification of acute respiratory diseases based on Chinese clinical data.. *Applied Intelligence*, **2022**, 1-18	4.9	1
8	Product Service Systems for Social Manufacturing. *Springer Series in Advanced Manufacturing*, **2019**, 171-196	0.9	0
7	Direct salinization of trelagliptin from solid forms by mechanochemistry and its mechanism of salt formation. *CrystEngComm*, **2020**, 22, 8256-8265	3.3	0
6	Social Factory and Interconnections. *Springer Series in Advanced Manufacturing*, **2019**, 147-169	0.9	
5	Social Business Relationship and Organizational Network. *Springer Series in Advanced Manufacturing* , **2019**, 67-92	0.9	
4	Execution of Social Manufacturing. *Springer Series in Advanced Manufacturing*, **2019**, 245-270	0.9	
3	Open Product Design for Social Manufacturing. *Springer Series in Advanced Manufacturing*, **2019**, 93-116	0.9	
2	Configuration of Social Manufacturing System. *Springer Series in Advanced Manufacturing*, **2019**, 219-243	0.9	
1	Modeling of Machining Errors Accumulation Driven by RFID Graphical Deduction Computing in Multistage Machining Processes. *IEEE Transactions on Industrial Informatics*, **2021**, 17, 3971-3981	11.9	