

# Fei Tao

## List of Publications by Year in descending order

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246  
papers

21,106  
citations

18436

62  
h-index

10424

139  
g-index

254  
all docs

254  
docs citations

254  
times ranked

10339  
citing authors

#	ARTICLE	IF	CITATIONS
1	Digital Twin in Industry: State-of-the-Art. IEEE Transactions on Industrial Informatics, 2019, 15, 2405-2415.	7.2	1,668
2	Digital twin-driven product design, manufacturing and service with big data. International Journal of Advanced Manufacturing Technology, 2018, 94, 3563-3576.	1.5	1,592
3	Data-driven smart manufacturing. Journal of Manufacturing Systems, 2018, 48, 157-169.	7.6	1,003
4	Digital Twin and Big Data Towards Smart Manufacturing and Industry 4.0: 360 Degree Comparision. IEEE Access, 2018, 6, 3585-3593.	2.6	940
5	Digital Twin Shop-Floor: A New Shop-Floor Paradigm Towards Smart Manufacturing. IEEE Access, 2017, 5, 20418-20427.	2.6	813
6	Cloud manufacturing: a new manufacturing paradigm. Enterprise Information Systems, 2014, 8, 167-187.	3.3	683
7	Digital Twins and Cyber-Physical Systems toward Smart Manufacturing and Industry 4.0: Correlation and Comparison. Engineering, 2019, 5, 653-661.	3.2	637
8	Digital twin-driven product design framework. International Journal of Production Research, 2019, 57, 3935-3953.	4.9	617
9	Enabling technologies and tools for digital twin. Journal of Manufacturing Systems, 2021, 58, 3-21.	7.6	611
10	CCIoT-CMfg: Cloud Computing and Internet of Things-Based Cloud Manufacturing Service System. IEEE Transactions on Industrial Informatics, 2014, 10, 1435-1442.	7.2	579
11	Digital twin driven prognostics and health management for complex equipment. CIRP Annals - Manufacturing Technology, 2018, 67, 169-172.	1.7	533
12	IoT-Based Intelligent Perception and Access of Manufacturing Resource Toward Cloud Manufacturing. IEEE Transactions on Industrial Informatics, 2014, 10, 1547-1557.	7.2	517
13	Cloud manufacturing: a computing and service-oriented manufacturing model. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2011, 225, 1969-1976.	1.5	459
14	Big Data in product lifecycle management. International Journal of Advanced Manufacturing Technology, 2015, 81, 667-684.	1.5	406
15	Make more digital twins. Nature, 2019, 573, 490-491.	13.7	345
16	FC-PACO-RM: A Parallel Method for Service Composition Optimal-Selection in Cloud Manufacturing System. IEEE Transactions on Industrial Informatics, 2013, 9, 2023-2033.	7.2	330
17	Digital Twin Service towards Smart Manufacturing. Procedia CIRP, 2018, 72, 237-242.	1.0	306
18	Industrial IoT in 5G environment towards smart manufacturing. Journal of Industrial Information Integration, 2018, 10, 10-19.	4.3	273

#	ARTICLE	IF	CITATIONS
19	New IT Driven Service-Oriented Smart Manufacturing: Framework and Characteristics. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 81-91.	5.9	262
20	Advanced manufacturing systems: socialization characteristics and trends. Journal of Intelligent Manufacturing, 2017, 28, 1079-1094.	4.4	260
21	Resource Service Composition and Its Optimal-Selection Based on Particle Swarm Optimization in Manufacturing Grid System. IEEE Transactions on Industrial Informatics, 2008, 4, 315-327.	7.2	242
22	Cloud manufacturing: key characteristics and applications. International Journal of Computer Integrated Manufacturing, 2017, 30, 501-515.	2.9	232
23	Cloud manufacturing: from concept to practice. Enterprise Information Systems, 2015, 9, 186-209.	3.3	222
24	Digital twin modeling. Journal of Manufacturing Systems, 2022, 64, 372-389.	7.6	203
25	A Smart Manufacturing Service System Based on Edge Computing, Fog Computing, and Cloud Computing. IEEE Access, 2019, 7, 86769-86777.	2.6	200
26	Smart Manufacturing and Intelligent Manufacturing: A Comparative Review. Engineering, 2021, 7, 738-757.	3.2	180
27	SDMSim: A manufacturing service supply demand matching simulator under cloud environment. Robotics and Computer-Integrated Manufacturing, 2017, 45, 34-46.	6.1	169
28	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
29	Digital Twin Enhanced Dynamic Job-Shop Scheduling. Journal of Manufacturing Systems, 2021, 58, 146-156.	7.6	164
30	Manufacturing Service Management in Cloud Manufacturing: Overview and Future Research Directions. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2015, 137, .	1.3	163
31	Correlation-aware resource service composition and optimal-selection in manufacturing grid. European Journal of Operational Research, 2010, 201, 129-143.	3.5	162
32	CLPS-GA: A case library and Pareto solution-based hybrid genetic algorithm for energy-aware cloud service scheduling. Applied Soft Computing Journal, 2014, 19, 264-279.	4.1	148
33	Data and knowledge mining with big data towards smart production. Journal of Industrial Information Integration, 2018, 9, 1-13.	4.3	148
34	Internet of Things and BOM-Based Life Cycle Assessment of Energy-Saving and Emission-Reduction of Products. IEEE Transactions on Industrial Informatics, 2014, 10, 1252-1261.	7.2	136
35	Toward Dynamic Resources Management for IoT-Based Manufacturing. , 2018, 56, 52-59.		132
36	Quantized Feedback Control of Fuzzy Markov Jump Systems. IEEE Transactions on Cybernetics, 2019, 49, 3375-3384.	6.2	130

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37	A chaos control optimal algorithm for QoS-based service composition selection in cloud manufacturing system. <i>Enterprise Information Systems</i> , 2014, 8, 445-463.	3.3	126
38	A study of optimal allocation of computing resources in cloud manufacturing systems. <i>International Journal of Advanced Manufacturing Technology</i> , 2012, 63, 671-690.	1.5	124
39	Customized production based on distributed 3D printing services in cloud manufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 84, 71-83.	1.5	120
40	Internet of Things in product life-cycle energy management. <i>Journal of Industrial Information Integration</i> , 2016, 1, 26-39.	4.3	119
41	DT-II: Digital twin enhanced Industrial Internet reference framework towards smart manufacturing. <i>Robotics and Computer-Integrated Manufacturing</i> , 2020, 62, 101881.	6.1	117
42	Study on manufacturing grid & its resource service optimal-selection system. <i>International Journal of Advanced Manufacturing Technology</i> , 2008, 37, 1022-1041.	1.5	115
43	Cyber-physical integration for moving digital factories forward towards smart manufacturing: a survey. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 97, 1209-1221.	1.5	110
44	Modeling of manufacturing service supply-demand matching hypernetwork in service-oriented manufacturing systems. <i>Robotics and Computer-Integrated Manufacturing</i> , 2017, 45, 59-72.	6.1	109
45	Phase-transited Lysozyme as a Universal Route to Bioactive Hydroxyapatite Crystalline Film. <i>Advanced Functional Materials</i> , 2018, 28, 1704476.	7.8	102
46	Research on manufacturing grid resource service optimal-selection and composition framework. <i>Enterprise Information Systems</i> , 2012, 6, 237-264.	3.3	97
47	A modeling and description method of multidimensional information for manufacturing capability in cloud manufacturing system. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 69, 961-975.	1.5	89
48	Modelling of combinable relationship-based composition service network and the theoretical proof of its scale-free characteristics. <i>Enterprise Information Systems</i> , 2012, 6, 373-404.	3.3	87
49	Energy-aware resource service scheduling based on utility evaluation in cloud manufacturing system. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2013, 227, 1901-1915.	1.5	86
50	A Ranking Chaos Algorithm for dual scheduling of cloud service and computing resource in private cloud. <i>Computers in Industry</i> , 2013, 64, 448-463.	5.7	85
51	Self-assembled membrane composed of amyloid-like proteins for efficient size-selective molecular separation and dialysis. <i>Nature Communications</i> , 2018, 9, 5443.	5.8	84
52	New Paradigm of Data-Driven Smart Customisation through Digital Twin. <i>Journal of Manufacturing Systems</i> , 2021, 58, 270-280.	7.6	84
53	Blockchain-Based Trust Mechanism for IoT-Based Smart Manufacturing System. <i>IEEE Transactions on Computational Social Systems</i> , 2019, 6, 1386-1394.	3.2	80
54	A review of the application of grid technology in manufacturing. <i>International Journal of Production Research</i> , 2011, 49, 4119-4155.	4.9	79

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55	BGM-BLA: A New Algorithm for Dynamic Migration of Virtual Machines in Cloud Computing. IEEE Transactions on Services Computing, 2016, 9, 910-925.	3.2	79
56	A methodology towards virtualisation-based high performance simulation platform supporting multidisciplinary design of complex products. Enterprise Information Systems, 2012, 6, 267-290.	3.3	76
57	Advanced manufacturing systems: supply demand matching of manufacturing resource based on complex networks and Internet of Things. Enterprise Information Systems, 2018, 12, 780-797.	3.3	73
58	Application and modeling of resource service trust-QoS evaluation in manufacturing grid system. International Journal of Production Research, 2009, 47, 1521-1550.	4.9	71
59	Resource service optimal-selection based on intuitionistic fuzzy set and non-functionality QoS in manufacturing grid system. Knowledge and Information Systems, 2010, 25, 185-208.	2.1	71
60	An Ontology-Based Resource Reconfiguration Method for Manufacturing Cyber-Physical Systems. IEEE/ASME Transactions on Mechatronics, 2018, 23, 2537-2546.	3.7	70
61	Correlation-aware web services composition and QoS computation model in virtual enterprise. International Journal of Advanced Manufacturing Technology, 2010, 51, 817-827.	1.5	69
62	Digital twin enhanced human-machine interaction in product lifecycle. Procedia CIRP, 2019, 83, 789-793.	1.0	67
63	Consensus aware manufacturing service collaboration optimization under blockchain based Industrial Internet platform. Computers and Industrial Engineering, 2019, 135, 1025-1035.	3.4	66
64	Study on manufacturing grid resource service QoS modeling and evaluation. International Journal of Advanced Manufacturing Technology, 2009, 41, 1034-1042.	1.5	64
65	Tuning Crystallization Pathways through the Mesoscale Assembly of Biomacromolecular Nanocrystals. Angewandte Chemie - International Edition, 2017, 56, 13440-13444.	7.2	63
66	A generic energy prediction model of machine tools using deep learning algorithms. Applied Energy, 2020, 275, 115402.	5.1	63
67	An Extensible Model for Multitask-Oriented Service Composition and Scheduling in Cloud Manufacturing. Journal of Computing and Information Science in Engineering, 2016, 16, .	1.7	60
68	Digital Twin and Services. , 2019, , 203-217.		59
69	Protein-Bound Freestanding 2D Metal Film for Stealth Information Transmission. Advanced Materials, 2019, 31, e1803377.	11.1	57
70	Digital twin and blockchain enhanced smart manufacturing service collaboration and management. Journal of Manufacturing Systems, 2022, 62, 903-914.	7.6	54
71	A hybrid group leader algorithm for green material selection with energy consideration in product design. CIRP Annals - Manufacturing Technology, 2016, 65, 9-12.	1.7	53
72	Cloud manufacturing paradigm with ubiquitous robotic system for product customization. Robotics and Computer-Integrated Manufacturing, 2019, 60, 12-22.	6.1	53

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73	A multi-scale modeling method for digital twin shop-floor. Journal of Manufacturing Systems, 2022, 62, 417-428.	7.6	53
74	A clustering network-based approach to service composition in cloud manufacturing. International Journal of Computer Integrated Manufacturing, 2017, 30, 1331-1342.	2.9	50
75	Green partner selection in virtual enterprise based on Pareto genetic algorithms. International Journal of Advanced Manufacturing Technology, 2013, 67, 2109-2125.	1.5	49
76	Robotic disassembly re-planning using a two-pointer detection strategy and a super-fast bees algorithm. Robotics and Computer-Integrated Manufacturing, 2019, 59, 130-142.	6.1	49
77	An Internet of things and cloud-based approach for energy consumption evaluation and analysis for a product. International Journal of Computer Integrated Manufacturing, 2018, 31, 337-348.	2.9	48
78	Partial/Parallel Disassembly Sequence Planning for Complex Products. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2018, 140, .	1.3	48
79	Editorial for the special issue on big data and cloud technology for manufacturing. International Journal of Advanced Manufacturing Technology, 2016, 84, 1-3.	1.5	46
80	Artificial intelligence in product lifecycle management. International Journal of Advanced Manufacturing Technology, 2021, 114, 771-796.	1.5	46
81	A quantum multi-agent evolutionary algorithm for selection of partners in a virtual enterprise. CIRP Annals - Manufacturing Technology, 2010, 59, 485-488.	1.7	45
82	Modeling of Cyber-Physical Systems and Digital Twin Based on Edge Computing, Fog Computing and Cloud Computing Towards Smart Manufacturing. , 2018, , .		45
83	Complex networks in advanced manufacturing systems. Journal of Manufacturing Systems, 2017, 43, 409-421.	7.6	44
84	Utility modelling, equilibrium, and coordination of resource service transaction in service-oriented manufacturing system. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2012, 226, 1099-1117.	1.5	43
85	A trust evaluation model towards cloud manufacturing. International Journal of Advanced Manufacturing Technology, 2016, 84, 133-146.	1.5	42
86	Equipment energy consumption management in digital twin shop-floor: A framework and potential applications. , 2018, , .		42
87	Study on resource service match and search in manufacturing grid system. International Journal of Advanced Manufacturing Technology, 2009, 43, 379-399.	1.5	41
88	A Discrete-Time Average Model-Based Predictive Control for a Quasi-Z-Source Inverter. IEEE Transactions on Industrial Electronics, 2018, 65, 6044-6054.	5.2	41
89	Digital twin enhanced fault prediction for the autoclave with insufficient data. Journal of Manufacturing Systems, 2021, 60, 350-359.	7.6	41
90	An approach to manufacturing grid resource service scheduling based on trust-QoS. International Journal of Computer Integrated Manufacturing, 2009, 22, 100-111.	2.9	40

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91	Concept, Principle and Application of Dynamic Configuration for Intelligent Algorithms. IEEE Systems Journal, 2014, 8, 28-42.	2.9	39
92	Long/Short-Term Utility Aware Optimal Selection of Manufacturing Service Composition Toward Industrial Internet Platforms. IEEE Transactions on Industrial Informatics, 2019, 15, 3712-3722.	7.2	39
93	Hypernetwork-based manufacturing service scheduling for distributed and collaborative manufacturing operations towards smart manufacturing. Journal of Intelligent Manufacturing, 2020, 31, 1707-1720.	4.4	39
94	Data Driven Smart Customization. Procedia CIRP, 2019, 81, 564-569.	1.0	38
95	An improved artificial bee colony for facility location allocation problem of end-of-life vehicles recovery network. Journal of Cleaner Production, 2018, 205, 134-144.	4.6	37
96	Research on measurement method of resource service composition flexibility in service-oriented manufacturing system. International Journal of Computer Integrated Manufacturing, 2012, 25, 113-135.	2.9	36
97	GA-BHTR: an improved genetic algorithm for partner selection in virtual manufacturing. International Journal of Production Research, 2012, 50, 2079-2100.	4.9	36
98	Digital Twin Driven Green Material Optimal-Selection towards Sustainable Manufacturing. Procedia CIRP, 2019, 81, 1290-1294.	1.0	36
99	Digital twin modeling method for CNC machine tool. , 2018, , .		35
100	Controlling the Structure and Function of Protein Thin Films through Amyloid-like Aggregation. Accounts of Chemical Research, 2021, 54, 3016-3027.	7.6	33
101	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
102	A field programmable gate array implemented fibre channel switch for big data communication towards smart manufacturing. Robotics and Computer-Integrated Manufacturing, 2019, 57, 166-181.	6.1	30
103	Manufacturing grid resource and resource service digital description. International Journal of Advanced Manufacturing Technology, 2009, 44, 1024-1035.	1.5	29
104	Smart Product-Service Systems Solution Design via Hybrid Crowd Sensing Approach. IEEE Access, 2019, 7, 128463-128473.	2.6	29
105	Optimal guidance law design for impact with terminal angle of attack constraint. Optik, 2014, 125, 243-251.	1.4	28
106	A Cooperative Co-Evolutionary Algorithm for Large-Scale Process Planning With Energy Consideration. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2017, 139, .	1.3	28
107	Five-Dimension Digital Twin Modeling and Its Key Technologies. , 2019, , 63-81.		28
108	Cloud manufacturing based service encapsulation and optimal configuration method for injection molding machine. Journal of Intelligent Manufacturing, 2019, 30, 2681-2699.	4.4	28

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109	Logistics-aware manufacturing service collaboration optimisation towards industrial internet platform. International Journal of Production Research, 2019, 57, 4007-4026.	4.9	27
110	Study of failure detection and recovery in manufacturing grid resource service scheduling. International Journal of Production Research, 2010, 48, 69-94.	4.9	23
111	Energy adaptive immune genetic algorithm for collaborative design task scheduling in Cloud Manufacturing system. , 2011, , .		22
112	Background and Concept of Digital Twin. , 2019, , 3-28.		22
113	Digital twin for human-machine interaction with convolutional neural network. International Journal of Computer Integrated Manufacturing, 2021, 34, 888-897.	2.9	22
114	Study on Multi-View Model for Cloud Manufacturing. Advanced Materials Research, 0, 201-203, 685-688.	0.3	21
115	A Systematic Function Recommendation Process for Data-Driven Product and Service Design. Journal of Mechanical Design, Transactions of the ASME, 2017, 139, .	1.7	21
116	Data-driven smart production line and its common factors. International Journal of Advanced Manufacturing Technology, 2019, 103, 1211-1223.	1.5	21
117	Manufacturing service supply-demand optimization with dual diversities for industrial internet platforms. Computers and Industrial Engineering, 2021, 156, 107237.	3.4	21
118	Industrial Dataspace for smart manufacturing: connotation, key technologies, and framework. International Journal of Production Research, 2023, 61, 3868-3883.	4.9	20
119	Multi-centric management and optimized allocation of manufacturing resource and capability in cloud manufacturing system. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2017, 231, 2159-2172.	1.5	19
120	Manufacturing Services Scheduling With Supply-Demand Dual Dynamic Uncertainties Toward Industrial Internet Platforms. IEEE Transactions on Industrial Informatics, 2021, 17, 2997-3010.	7.2	19
121	On-line optimization design of sliding mode guidance law with multiple constraints. Applied Mathematical Modelling, 2013, 37, 7568-7587.	2.2	18
122	Resource service sharing in cloud manufacturing based on the Gale-Shapley algorithm: advantages and challenge. International Journal of Computer Integrated Manufacturing, 0, , 1-13.	2.9	18
123	Automated Overheated Region Object Detection of Photovoltaic Module With Thermography Image. IEEE Journal of Photovoltaics, 2021, 11, 535-544.	1.5	18
124	Digital twin data: methods and key technologies. Digital Twin, 0, 1, 2.	0.0	18
125	Cloud Manufacturing. Advanced Materials Research, 0, 201-203, 672-676.	0.3	17
126	Ca-Mediated Electroformation of Cell-Sized Lipid Vesicles. Scientific Reports, 2015, 5, 9839.	1.6	17



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127	Auto-sorting System Towards Smart Factory based on Deep learning for Image Segmentation. IEEE Sensors Journal, 2018, , 1-1.	2.4	17
128	Online Detection of Action Start via Soft Computing for Smart City. IEEE Transactions on Industrial Informatics, 2021, 17, 524-533.	7.2	17
129	Surrogate Model via Artificial Intelligence Method for Accelerating Screening Materials and Performance Prediction. Advanced Functional Materials, 2021, 31, 2006245.	7.8	17
130	Dynamic Supply-Demand Matching for Manufacturing Resource Services in Service-Oriented Manufacturing Systems: A Hypernetwork-Based Solution Framework. , 2015, , .		16
131	Biologically Inspired Design of Context-Aware Smart Products. Engineering, 2019, 5, 637-645.	3.2	16
132	New IT driven rapid manufacturing for emergency response. Journal of Manufacturing Systems, 2021, 60, 928-935.	7.6	16
133	Adaptive Optimization Method in Digital Twin Conveyor Systems via Range-Inspection Control. IEEE Transactions on Automation Science and Engineering, 2022, 19, 1296-1304.	3.4	16
134	Blockchain applications in PLM towards smart manufacturing. International Journal of Advanced Manufacturing Technology, 2022, 118, 2669-2683.	1.5	16
135	Resources publication and discovery in manufacturing grid. Journal of Zhejiang University: Science A, 2006, 7, 1676-1682.	1.3	15
136	Parallel design of intelligent optimization algorithm based on FPGA. International Journal of Advanced Manufacturing Technology, 2018, 94, 3399-3412.	1.5	15
137	Scalable Hypernetwork-Based Manufacturing Services Supply Demand Matching Toward Industrial Internet Platforms. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 5000-5014.	5.9	15
138	A new approach for data processing in supply chain network based on FPGA. International Journal of Advanced Manufacturing Technology, 2016, 84, 249-260.	1.5	14
139	Research on the Measurement Method of Flexibility of Resource Service Composition in Cloud Manufacturing. Advanced Materials Research, 2010, 139-141, 1451-1454.	0.3	13
140	Does migration cost influence cooperation among success-driven individuals?. Chaos, Solitons and Fractals, 2012, 45, 1301-1308.	2.5	13
141	Design of Optimal Attack-Angle for RLV Reentry Based on Quantum Particle Swarm Optimization. Advances in Mechanical Engineering, 2014, 6, 352983.	0.8	13
142	A physical model and data-driven hybrid prediction method towards quality assurance for composite components. CIRP Annals - Manufacturing Technology, 2021, 70, 115-118.	1.7	13
143	QMAEA: A quantum multi-agent evolutionary algorithm for multi-objective combinatorial optimization. Simulation, 2014, 90, 182-204.	1.1	12
144	A novel search algorithm based on waterweeds reproduction principle for job shop scheduling problem. International Journal of Advanced Manufacturing Technology, 2016, 84, 405-424.	1.5	12

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145	CoSMSOL: Complex system modeling, simulation and optimization language. International Journal of Modeling, Simulation, and Scientific Computing, 2017, 08, 1741002.	0.9	12
146	Tuning Chain Relaxation from an Amorphous Biopolymer Film to Crystals by Removing Air/Water Interface Limitations. Angewandte Chemie - International Edition, 2020, 59, 20192-20200.	7.2	12
147	Manufacturing services collaboration: connotation, framework, key technologies, and research issues. International Journal of Advanced Manufacturing Technology, 2020, 110, 2573-2589.	1.5	12
148	Failure Prognosis of Complex Equipment With Multistream Deep Recurrent Neural Network. Journal of Computing and Information Science in Engineering, 2020, 20, .	1.7	12
149	Digital twin driven smart product design framework. , 2020, , 3-32.		12
150	Connectivity-Based Accessibility for Public Bicycle Sharing Systems. IEEE Transactions on Automation Science and Engineering, 2018, 15, 1521-1532.	3.4	11
151	Developing Biopolymer Mesocrystals by Crystallization of Secondary Structures. Langmuir, 2019, 35, 183-193.	1.6	11
152	An Iterative Budget Algorithm for Dynamic Virtual Machine Consolidation under Cloud Computing Environment (revised December 2017). IEEE Transactions on Services Computing, 2018, , 1-1.	3.2	10
153	Digital Twin and Big Data. , 2019, , 183-202.		10
154	Failures detection and cascading analysis of manufacturing services collaboration toward industrial internet platforms. Journal of Manufacturing Systems, 2020, 57, 169-181.	7.6	10
155	Artificial intelligence enhanced interaction in digital twin shop-floor. Procedia CIRP, 2021, 100, 858-863.	1.0	10
156	Future Manufacturing Industry with Cloud Manufacturing. , 2014, , 127-152.		9
157	Complex networks based manufacturing service and task management in cloud environment. , 2015, , .		9
158	Energy-Aware Material Selection for Product With Multicomponent Under Cloud Environment. Journal of Computing and Information Science in Engineering, 2017, 17, .	1.7	9
159	Task allocation in manufacturing: A review. Journal of Industrial Information Integration, 2019, 15, 207-218.	4.3	9
160	Applications of Digital Twin. , 2019, , 29-62.		9
161	The optimal allocation model of computing resources in cloud manufacturing system. , 2011, , .		8
162	A Framework for Correlation Relationship Mining of Cloud Service in Cloud Manufacturing System. Advanced Materials Research, 0, 314-316, 2259-2262.	0.3	8

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163	Analysis of cloud service transaction in cloud manufacturing. , 2012, , .		8
164	A hybrid particle swarm optimization and simulated annealing algorithm for job-shop scheduling. , 2014, , .		8
165	An improved electromagnetism-like mechanism algorithm for energy-aware many-objective flexible job shop scheduling. International Journal of Advanced Manufacturing Technology, 2022, 119, 4265-4275.	1.5	8
166	Modelling of manufacturing resource in manufacturing grid based on XML. , 2006, , .		7
167	Research on the Knowledge-Based Multi-Dimensional Information Model of Manufacturing Capability in CMfg. Advanced Materials Research, 2012, 472-475, 2592-2595.	0.3	7
168	Digital Twin, Cyber-Physical System, and Internet of Things. , 2019, , 243-256.		7
169	Digital twin data: methods and key technologies. Digital Twin, 0, 1, 2.	0.0	7
170	Digital twin-driven CNC spindle performance assessment. International Journal of Advanced Manufacturing Technology, 2022, 119, 1821-1833.	1.5	7
171	Development and Implementation of Cloud Manufacturing: An Evolutionary Perspective. , 2013, , .		6
172	Rotated neighbor learning-based auto-configured evolutionary algorithm. Science China Information Sciences, 2016, 59, 1.	2.7	6
173	Suppression of Sunscreen Leakage in Water by Amyloid-like Protein Aggregates. ACS Applied Materials & Interfaces, 2021, 13, 42451-42460.	4.0	6
174	Composable correlation mining of cloud service in cloud manufacturing. , 2011, , .		5
175	Social selection of game organizers promotes cooperation in spatial public goods games. Europhysics Letters, 2013, 102, 50006.	0.7	5
176	Research and Applications of Cloud Manufacturing in China. , 2014, , 89-126.		5
177	A discovery method of service-correlation for service composition in virtual enterprise. European Journal of Industrial Engineering, 2014, 8, 579.	0.5	5
178	Tuning Crystallization Pathways through the Mesoscale Assembly of Biomacromolecular Nanocrystals. Angewandte Chemie, 2017, 129, 13625-13629.	1.6	5
179	A manufacturing services collaboration framework toward industrial internet platforms. , 2018, , .		5
180	Digital Twin and Cloud, Fog, Edge Computing. , 2019, , 171-181.		5

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181	Architecture of Hybrid Cloud for Manufacturing Enterprise. Communications in Computer and Information Science, 2012, , 365-372.	0.4	5
182	Opportunistic maintenance for multi-unit series systems based on gated recurrent units prediction model. CIRP Annals - Manufacturing Technology, 2020, 69, 25-28.	1.7	5
183	Digital twin-driven complexity management in intelligent manufacturing. Digital Twin, 0, 1, 9.	0.0	5
184	Tuning Chain Relaxation from an Amorphous Biopolymer Film to Crystals by Removing Air/Water Interface Limitations. Angewandte Chemie, 2020, 132, 20367-20375.	1.6	4
185	Digital twin driven conceptual design. , 2020, , 33-66.		4
186	The Connotation of Manufacturing Grid&its key technology. , 2006, , .		3
187	Lifecycle Management of Knowledge in a Cloud Manufacturing System. , 2013, , .		3
188	A Hybrid RCO for Dual Scheduling of Cloud Service and Computing Resource in Private Cloud. Springer Series in Advanced Manufacturing, 2015, , 257-287.	0.2	3
189	Smart Production Line: Common Factors and Data-Driven Implementation Method. , 2017, , .		3
190	Data Analytics and Optimization for Decision Support. Business and Information Systems Engineering, 2019, 61, 255-256.	4.0	3
191	Editorial for the special issue on "Intelligent Computing and System towards Smart Manufacturing" Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 825-827.	3.3	3
192	An evolutionary algorithm recommendation method with a case study in flow shop scheduling. International Journal of Advanced Manufacturing Technology, 2020, 109, 781-796.	1.5	3
193	Modeling and Solution for Virtual Channel Scheduling for Downlink Business. Communications in Computer and Information Science, 2014, , 35-47.	0.4	3
194	Dynamic Mode Transfer Scheduling for Degrading Standby System Considering Load-Sharing Characteristic. IEEE Systems Journal, 2021, 15, 5405-5416.	2.9	3
195	Graph-based operational robustness analysis of industrial Internet of things platform for manufacturing service collaboration. International Journal of Production Research, 2023, 61, 4237-4264.	4.9	3
196	Long-/Short-Term Preference Based Dynamic Pricing and Manufacturing Service Collaboration Optimization. IEEE Transactions on Industrial Informatics, 2022, 18, 8948-8956.	7.2	3
197	A Classified Situations Oriented Adaptive Scheduling Method of Robot-aided Aeroengine Faults Detection. , 2021, , .		3
198	Resource Modeling of Logistic Grid System Based on XML. , 2007, , .		2

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199	A framework for MGrid resource service optimal-selection and composition. , 2009, , .		2
200	Concept and Framework of Reconfigurable Intelligent Optimization Algorithm. Advanced Materials Research, 0, 479-481, 1875-1879.	0.3	2
201	A brief review of complex networks in service oriented manufacturing system. , 2015, , .		2
202	Multi operators-based partial connected parallel evolutionary algorithm. , 2016, , .		2
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204	Digital twin driven design evaluation. , 2020, , 139-164.		2
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