

# Fei Tao

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

234  
papers

13,195  
citations

56  
h-index

112  
g-index

254  
ext. papers

16,686  
ext. citations

5.3  
avg, IF

7.54  
L-index

#	Paper	IF	Citations
234	Digital twin-driven product design, manufacturing and service with big data. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2018</b> , 94, 3563-3576	3.2	963
233	Digital Twin in Industry: State-of-the-Art. <i>IEEE Transactions on Industrial Informatics</i> , <b>2019</b> , 15, 2405-2415	11.9	658
232	Data-driven smart manufacturing. <i>Journal of Manufacturing Systems</i> , <b>2018</b> , 48, 157-169	9.1	607
231	Cloud manufacturing: a new manufacturing paradigm. <i>Enterprise Information Systems</i> , <b>2014</b> , 8, 167-187	3.5	583
230	Digital Twin and Big Data Towards Smart Manufacturing and Industry 4.0: 360 Degree Comparison. <i>IEEE Access</i> , <b>2018</b> , 6, 3585-3593	3.5	541
229	Digital Twin Shop-Floor: A New Shop-Floor Paradigm Towards Smart Manufacturing. <i>IEEE Access</i> , <b>2017</b> , 5, 20418-20427	3.5	488
228	CCIoT-CMfg: Cloud Computing and Internet of Things-Based Cloud Manufacturing Service System. <i>IEEE Transactions on Industrial Informatics</i> , <b>2014</b> , 10, 1435-1442	11.9	475
227	IoT-Based Intelligent Perception and Access of Manufacturing Resource Toward Cloud Manufacturing. <i>IEEE Transactions on Industrial Informatics</i> , <b>2014</b> , 10, 1547-1557	11.9	434
226	Cloud manufacturing: a computing and service-oriented manufacturing model. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , <b>2011</b> , 225, 1969-1976	2.4	379
225	Big Data in product lifecycle management. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2015</b> , 81, 667-684	3.2	315
224	Digital twin-driven product design framework. <i>International Journal of Production Research</i> , <b>2019</b> , 57, 3935-3953	7.8	302
223	FC-PACO-RM: A Parallel Method for Service Composition Optimal-Selection in Cloud Manufacturing System. <i>IEEE Transactions on Industrial Informatics</i> , <b>2013</b> , 9, 2023-2033	11.9	288
222	Digital Twins and CyberPhysical Systems toward Smart Manufacturing and Industry 4.0: Correlation and Comparison. <i>Engineering</i> , <b>2019</b> , 5, 653-661	9.7	267
221	Digital twin driven prognostics and health management for complex equipment. <i>CIRP Annals - Manufacturing Technology</i> , <b>2018</b> , 67, 169-172	4.9	265
220	Enabling technologies and tools for digital twin. <i>Journal of Manufacturing Systems</i> , <b>2021</b> , 58, 3-21	9.1	224
219	Resource Service Composition and Its Optimal-Selection Based on Particle Swarm Optimization in Manufacturing Grid System. <i>IEEE Transactions on Industrial Informatics</i> , <b>2008</b> , 4, 315-327	11.9	214
218	Advanced manufacturing systems: socialization characteristics and trends. <i>Journal of Intelligent Manufacturing</i> , <b>2017</b> , 28, 1079-1094	6.7	203

217	Cloud manufacturing: from concept to practice. <i>Enterprise Information Systems</i> , <b>2015</b> , 9, 186-209	3.5	187
216	Industrial IoT in 5G environment towards smart manufacturing. <i>Journal of Industrial Information Integration</i> , <b>2018</b> , 10, 10-19	7	186
215	Cloud manufacturing: key characteristics and applications. <i>International Journal of Computer Integrated Manufacturing</i> , <b>2017</b> , 30, 501-515	4.3	178
214	Digital Twin Service towards Smart Manufacturing. <i>Procedia CIRP</i> , <b>2018</b> , 72, 237-242	1.8	166
213	New IT Driven Service-Oriented Smart Manufacturing: Framework and Characteristics. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2019</b> , 49, 81-91	7.3	160
212	SDMSim: A manufacturing service supply-demand matching simulator under cloud environment. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2017</b> , 45, 34-46	9.2	150
211	Correlation-aware resource service composition and optimal-selection in manufacturing grid. <i>European Journal of Operational Research</i> , <b>2010</b> , 201, 129-143	5.6	141
210	Manufacturing Service Management in Cloud Manufacturing: Overview and Future Research Directions. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , <b>2015</b> , 137,	3.3	136
209	Make more digital twins. <i>Nature</i> , <b>2019</b> , 573, 490-491	50.4	129
208	CLPS-GA: A case library and Pareto solution-based hybrid genetic algorithm for energy-aware cloud service scheduling. <i>Applied Soft Computing Journal</i> , <b>2014</b> , 19, 264-279	7.5	122
207	IIHub: An Industrial Internet-of-Things Hub Toward Smart Manufacturing Based on Cyber-Physical System. <i>IEEE Transactions on Industrial Informatics</i> , <b>2018</b> , 14, 2271-2280	11.9	117
206	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2014</b> , 10, 1252-1261	11.9	108
205	A study of optimal allocation of computing resources in cloud manufacturing systems. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2012</b> , 63, 671-690	3.2	107
204	Data and knowledge mining with big data towards smart production. <i>Journal of Industrial Information Integration</i> , <b>2018</b> , 9, 1-13	7	105
203	A chaos control optimal algorithm for QoS-based service composition selection in cloud manufacturing system. <i>Enterprise Information Systems</i> , <b>2014</b> , 8, 445-463	3.5	105
202	Customized production based on distributed 3D printing services in cloud manufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2016</b> , 84, 71-83	3.2	104
201	Study on manufacturing grid & its resource service optimal-selection system. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2008</b> , 37, 1022-1041	3.2	98
200	Internet of Things in product life-cycle energy management. <i>Journal of Industrial Information Integration</i> , <b>2016</b> , 1, 26-39	7	94

199	Toward Dynamic Resources Management for IoT-Based Manufacturing <b>2018</b> , 56, 52-59		92
198	Research on manufacturing grid resource service optimal-selection and composition framework. <i>Enterprise Information Systems</i> , <b>2012</b> , 6, 237-264	3.5	91
197	Modeling of manufacturing service supply-demand matching hypernetwork in service-oriented manufacturing systems. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2017</b> , 45, 59-72	9.2	89
196	A Smart Manufacturing Service System Based on Edge Computing, Fog Computing, and Cloud Computing. <i>IEEE Access</i> , <b>2019</b> , 7, 86769-86777	3.5	87
195	Modelling of combinable relationship-based composition service network and the theoretical proof of its scale-free characteristics. <i>Enterprise Information Systems</i> , <b>2012</b> , 6, 373-404	3.5	79
194	Quantized Feedback Control of Fuzzy Markov Jump Systems. <i>IEEE Transactions on Cybernetics</i> , <b>2019</b> , 49, 3375-3384	10.2	78
193	A modeling and description method of multidimensional information for manufacturing capability in cloud manufacturing system. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2013</b> , 69, 961-975	3.2	76
192	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> , <b>2013</b> , 227, 1901-1915	2.4	75
191	A Ranking Chaos Algorithm for dual scheduling of cloud service and computing resource in private cloud. <i>Computers in Industry</i> , <b>2013</b> , 64, 448-463	11.6	69
190	Digital Twin Enhanced Dynamic Job-Shop Scheduling. <i>Journal of Manufacturing Systems</i> , <b>2021</b> , 58, 146-156	5.1	69
189	Phase-Transited Lysozyme as a Universal Route to Bioactive Hydroxyapatite Crystalline Film. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1704476	15.6	68
188	Cyber-physical integration for moving digital factories forward towards smart manufacturing: a survey. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2018</b> , 97, 1209-1221	3.2	67
187	Application and modeling of resource service trust-QoS evaluation in manufacturing grid system. <i>International Journal of Production Research</i> , <b>2009</b> , 47, 1521-1550	7.8	66
186	A methodology towards virtualisation-based high performance simulation platform supporting multidisciplinary design of complex products. <i>Enterprise Information Systems</i> , <b>2012</b> , 6, 267-290	3.5	65
185	A review of the application of grid technology in manufacturing. <i>International Journal of Production Research</i> , <b>2011</b> , 49, 4119-4155	7.8	65
184	Resource service optimal-selection based on intuitionistic fuzzy set and non-functionality QoS in manufacturing grid system. <i>Knowledge and Information Systems</i> , <b>2010</b> , 25, 185-208	2.4	65
183	DT-II: Digital twin enhanced Industrial Internet reference framework towards smart manufacturing. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2020</b> , 62, 101881	9.2	63
182	BGM-BLA: A New Algorithm for Dynamic Migration of Virtual Machines in Cloud Computing. <i>IEEE Transactions on Services Computing</i> , <b>2016</b> , 9, 910-925	4.8	62

181	Self-assembled membrane composed of amyloid-like proteins for efficient size-selective molecular separation and dialysis. <i>Nature Communications</i> , <b>2018</b> , 9, 5443	17.4	60
180	Study on manufacturing grid resource service QoS modeling and evaluation. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2009</b> , 41, 1034-1042	3.2	59
179	Correlation-aware web services composition and QoS computation model in virtual enterprise. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2010</b> , 51, 817-827	3.2	56
178	Smart Manufacturing and Intelligent Manufacturing: A Comparative Review. <i>Engineering</i> , <b>2021</b> , 7, 738-757	5.7	56
177	Advanced manufacturing systems: supply-demand matching of manufacturing resource based on complex networks and Internet of Things. <i>Enterprise Information Systems</i> , <b>2018</b> , 12, 780-797	3.5	48
176	An Extensible Model for Multitask-Oriented Service Composition and Scheduling in Cloud Manufacturing. <i>Journal of Computing and Information Science in Engineering</i> , <b>2016</b> , 16, 041009	2.4	46
175	An Ontology-Based Resource Reconfiguration Method for Manufacturing Cyber-Physical Systems. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2018</b> , 23, 2537-2546	5.5	45
174	Blockchain-Based Trust Mechanism for IoT-Based Smart Manufacturing System. <i>IEEE Transactions on Computational Social Systems</i> , <b>2019</b> , 6, 1386-1394	4.5	44
173	A hybrid group leader algorithm for green material selection with energy consideration in product design. <i>CIRP Annals - Manufacturing Technology</i> , <b>2016</b> , 65, 9-12	4.9	44
172	Green partner selection in virtual enterprise based on Pareto genetic algorithms. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2013</b> , 67, 2109-2125	3.2	42
171	A quantum multi-agent evolutionary algorithm for selection of partners in a virtual enterprise. <i>CIRP Annals - Manufacturing Technology</i> , <b>2010</b> , 59, 485-488	4.9	40
170	A clustering network-based approach to service composition in cloud manufacturing. <i>International Journal of Computer Integrated Manufacturing</i> , <b>2017</b> , 30, 1331-1342	4.3	39
169	Utility modelling, equilibrium, and coordination of resource service transaction in service-oriented manufacturing system. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , <b>2012</b> , 226, 1099-1117	2.4	39
168	Concept, Principle and Application of Dynamic Configuration for Intelligent Algorithms. <i>IEEE Systems Journal</i> , <b>2014</b> , 8, 28-42	4.3	38
167	Tuning Crystallization Pathways through the Mesoscale Assembly of Biomacromolecular Nanocrystals. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 13440-13444	16.4	38
166	An approach to manufacturing grid resource service scheduling based on trust-QoS. <i>International Journal of Computer Integrated Manufacturing</i> , <b>2009</b> , 22, 100-111	4.3	38
165	Complex networks in advanced manufacturing systems. <i>Journal of Manufacturing Systems</i> , <b>2017</b> , 43, 409-421	4.21	37
164	Digital twin enhanced human-machine interaction in product lifecycle. <i>Procedia CIRP</i> , <b>2019</b> , 83, 789-793	1.8	35

163	Consensus aware manufacturing service collaboration optimization under blockchain based Industrial Internet platform. <i>Computers and Industrial Engineering</i> , <b>2019</b> , 135, 1025-1035	6.4	35
162	A trust evaluation model towards cloud manufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2016</b> , 84, 133-146	3.2	35
161	GA-BHTR: an improved genetic algorithm for partner selection in virtual manufacturing. <i>International Journal of Production Research</i> , <b>2012</b> , 50, 2079-2100	7.8	34
160	Study on resource service match and search in manufacturing grid system. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2009</b> , 43, 379-399	3.2	34
159	An Internet of things and cloud-based approach for energy consumption evaluation and analysis for a product. <i>International Journal of Computer Integrated Manufacturing</i> , <b>2018</b> , 31, 337-348	4.3	33
158	Protein-Bound Freestanding 2D Metal Film for Stealth Information Transmission. <i>Advanced Materials</i> , <b>2019</b> , 31, e1803377	24	32
157	Cloud manufacturing paradigm with ubiquitous robotic system for product customization. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2019</b> , 60, 12-22	9.2	31
156	Partial/Parallel Disassembly Sequence Planning for Complex Products. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , <b>2018</b> , 140,	3.3	31
155	Robotic disassembly re-planning using a two-pointer detection strategy and a super-fast bees algorithm. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2019</b> , 59, 130-142	9.2	30
154	Research on measurement method of resource service composition flexibility in service-oriented manufacturing system. <i>International Journal of Computer Integrated Manufacturing</i> , <b>2012</b> , 25, 113-135	4.3	30
153	New Paradigm of Data-Driven Smart Customisation through Digital Twin. <i>Journal of Manufacturing Systems</i> , <b>2021</b> , 58, 270-280	9.1	29
152	A generic energy prediction model of machine tools using deep learning algorithms. <i>Applied Energy</i> , <b>2020</b> , 275, 115402	10.7	28
151	Digital Twin and Services <b>2019</b> , 203-217		27
150	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2019</b> , 15, 3712-3722	11.9	26
149	A Cooperative Co-Evolutionary Algorithm for Large-Scale Process Planning With Energy Consideration. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , <b>2017</b> , 139,	3.3	25
148	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 6044-6054	8.9	25
147	Modeling of Cyber-Physical Systems and Digital Twin Based on Edge Computing, Fog Computing and Cloud Computing Towards Smart Manufacturing <b>2018</b> ,		25
146	Optimal guidance law design for impact with terminal angle of attack constraint. <i>Optik</i> , <b>2014</b> , 125, 243-253		24

145	Digital twin modeling method for CNC machine tool <b>2018</b> ,		23
144	Manufacturing grid resource and resource service digital description. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2009</b> , 44, 1024-1035	3.2	22
143	Hypernetwork-based manufacturing service scheduling for distributed and collaborative manufacturing operations towards smart manufacturing. <i>Journal of Intelligent Manufacturing</i> , <b>2020</b> , 31, 1707-1720	6.7	22
142	Equipment energy consumption management in digital twin shop-floor: A framework and potential applications <b>2018</b> ,		21
141	Study of failure detection and recovery in manufacturing grid resource service scheduling. <i>International Journal of Production Research</i> , <b>2010</b> , 48, 69-94	7.8	20
140	Digital twin and blockchain enhanced smart manufacturing service collaboration and management. <i>Journal of Manufacturing Systems</i> , <b>2020</b> ,	9.1	20
139	A field programmable gate array implemented fibre channel switch for big data communication towards smart manufacturing. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2019</b> , 57, 166-181	9.2	20
138	An improved artificial bee colony for facility location allocation problem of end-of-life vehicles recovery network. <i>Journal of Cleaner Production</i> , <b>2018</b> , 205, 134-144	10.3	20
137	Data Driven Smart Customization. <i>Procedia CIRP</i> , <b>2019</b> , 81, 564-569	1.8	19
136	Cloud manufacturing based service encapsulation and optimal configuration method for injection molding machine. <i>Journal of Intelligent Manufacturing</i> , <b>2019</b> , 30, 2681-2699	6.7	19
135	Energy adaptive immune genetic algorithm for collaborative design task scheduling in Cloud Manufacturing system <b>2011</b> ,		18
134	Logistics-aware manufacturing service collaboration optimisation towards industrial internet platform. <i>International Journal of Production Research</i> , <b>2019</b> , 57, 4007-4026	7.8	17
133	Digital Twin Driven Green Material Optimal-Selection towards Sustainable Manufacturing. <i>Procedia CIRP</i> , <b>2019</b> , 81, 1290-1294	1.8	16
132	Study on Multi-View Model for Cloud Manufacturing. <i>Advanced Materials Research</i> , <b>2011</b> , 201-203, 685-688		16
131	A multi-agent architecture for scheduling in platform-based smart manufacturing systems. <i>Frontiers of Information Technology and Electronic Engineering</i> , <b>2019</b> , 20, 1465-1492	2.2	16
130	<b>2011</b> ,		16
129	Multi-centric management and optimized allocation of manufacturing resource and capability in cloud manufacturing system. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , <b>2017</b> , 231, 2159-2172	2.4	15
128	Data-driven smart production line and its common factors. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2019</b> , 103, 1211-1223	3.2	15

127	Five-Dimension Digital Twin Modeling and Its Key Technologies <b>2019</b> , 63-81		14
126	Cloud Manufacturing. <i>Advanced Materials Research</i> , <b>2011</b> , 201-203, 672-676	0.5	14
125	Resource service sharing in cloud manufacturing based on the GaleBhapley algorithm: advantages and challenge. <i>International Journal of Computer Integrated Manufacturing</i> , <b>2015</b> , 1-13	4.3	13
124	Smart Product-Service Systems Solution Design via Hybrid Crowd Sensing Approach. <i>IEEE Access</i> , <b>2019</b> , 7, 128463-128473	3.5	13
123	A Systematic Function Recommendation Process for Data-Driven Product and Service Design. <i>Journal of Mechanical Design, Transactions of the ASME</i> , <b>2017</b> , 139,	3	13
122	Ca-mediated electroformation of cell-sized lipid vesicles. <i>Scientific Reports</i> , <b>2015</b> , 5, 9839	4.9	13
121	Biologically Inspired Design of Context-Aware Smart Products. <i>Engineering</i> , <b>2019</b> , 5, 637-645	9.7	12
120	Dynamic Supply-Demand Matching for Manufacturing Resource Services in Service-Oriented Manufacturing Systems: A Hypernetwork-Based Solution Framework <b>2015</b> ,		12
119	QMAEA: A quantum multi-agent evolutionary algorithm for multi-objective combinatorial optimization. <i>Simulation</i> , <b>2014</b> , 90, 182-204	1.2	12
118	Does migration cost influence cooperation among success-driven individuals?. <i>Chaos, Solitons and Fractals</i> , <b>2012</b> , 45, 1301-1308	9.3	12
117	On-line optimization design of sliding mode guidance law with multiple constraints. <i>Applied Mathematical Modelling</i> , <b>2013</b> , 37, 7568-7587	4.5	12
116	Research on the Measurement Method of Flexibility of Resource Service Composition in Cloud Manufacturing. <i>Advanced Materials Research</i> , <b>2010</b> , 139-141, 1451-1454	0.5	12
115	CoSMSOL: Complex system modeling, simulation and optimization language. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , <b>2017</b> , 08, 1741002	0.8	11
114	Background and Concept of Digital Twin <b>2019</b> , 3-28		11
113	A new approach for data processing in supply chain network based on FPGA. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2016</b> , 84, 249-260	3.2	11
112	Resources publication and discovery in manufacturing grid. <i>Journal of Zhejiang University: Science A</i> , <b>2006</b> , 7, 1676-1682	2.1	11
111	Parallel design of intelligent optimization algorithm based on FPGA. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2018</b> , 94, 3399-3412	3.2	10
110	Artificial intelligence in product lifecycle management. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2021</b> , 114, 771-796	3.2	10



109	Connectivity-Based Accessibility for Public Bicycle Sharing Systems. <i>IEEE Transactions on Automation Science and Engineering</i> , <b>2018</b> , 15, 1521-1532	4.9	10
108	Configurable Intelligent Optimization Algorithm. <i>Springer Series in Advanced Manufacturing</i> , <b>2015</b> ,	0.9	8
107	A novel search algorithm based on waterweeds reproduction principle for job shop scheduling problem. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2016</b> , 84, 405-424	3.2	8
106	Design of Optimal Attack-Angle for RLV Reentry Based on Quantum Particle Swarm Optimization. <i>Advances in Mechanical Engineering</i> , <b>2014</b> , 6, 352983	1.2	8
105	Future Manufacturing Industry with Cloud Manufacturing <b>2014</b> , 127-152		8
104	A Framework for Correlation Relationship Mining of Cloud Service in Cloud Manufacturing System. <i>Advanced Materials Research</i> , <b>2011</b> , 314-316, 2259-2262	0.5	8
103	Failure Prognosis of Complex Equipment With Multistream Deep Recurrent Neural Network. <i>Journal of Computing and Information Science in Engineering</i> , <b>2020</b> , 20,	2.4	8
102	Digital Twin and Big Data <b>2019</b> , 183-202		8
101	Manufacturing Services Scheduling With SupplyDemand Dual Dynamic Uncertainties Toward Industrial Internet Platforms. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 17, 2997-3010	11.9	8
100	Surrogate Model via Artificial Intelligence Method for Accelerating Screening Materials and Performance Prediction. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2006245	15.6	8
99	An Iterative Budget Algorithm for Dynamic Virtual Machine Consolidation Under Cloud Computing Environment. <i>IEEE Transactions on Services Computing</i> , <b>2018</b> , 1-1	4.8	7
98	Auto-Sorting System Toward Smart Factory Based on Deep Learning for Image Segmentation. <i>IEEE Sensors Journal</i> , <b>2018</b> , 1-1	4	7
97	Complex networks based manufacturing service and task management in cloud environment <b>2015</b> ,		7
96	Analysis of cloud service transaction in cloud manufacturing <b>2012</b> ,		7
95	Adaptive Optimization Method in Digital Twin Conveyor Systems via Range-Inspection Control. <i>IEEE Transactions on Automation Science and Engineering</i> , <b>2020</b> , 1-9	4.9	7
94	Scalable Hypernetwork-Based Manufacturing Services Supply Demand Matching Toward Industrial Internet Platforms. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2020</b> , 50, 5000-5014	7.3	7
93	Automated Overheated Region Object Detection of Photovoltaic Module With Thermography Image. <i>IEEE Journal of Photovoltaics</i> , <b>2021</b> , 11, 535-544	3.7	7
92	Manufacturing service supply-demand optimization with dual diversities for industrial internet platforms. <i>Computers and Industrial Engineering</i> , <b>2021</b> , 156, 107237	6.4	7

91	Rotated neighbor learning-based auto-configured evolutionary algorithm. <i>Science China Information Sciences</i> , <b>2016</b> , 59, 1	3.4	6
90	The optimal allocation model of computing resources in cloud manufacturing system <b>2011</b> ,		6
89	Research on the Knowledge-Based Multi-Dimensional Information Model of Manufacturing Capability in CMfg. <i>Advanced Materials Research</i> , <b>2012</b> , 472-475, 2592-2595	0.5	6
88	Manufacturing services collaboration: connotation, framework, key technologies, and research issues. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2020</b> , 110, 2573-2589	3.2	6
87	Digital twin enhanced fault prediction for the autoclave with insufficient data. <i>Journal of Manufacturing Systems</i> , <b>2021</b> , 60, 350-359	9.1	6
86	Industrial Dataspace for smart manufacturing: connotation, key technologies, and framework. <i>International Journal of Production Research</i> , 1-16	7.8	6
85	Artificial intelligence enhanced interaction in digital twin shop-floor. <i>Procedia CIRP</i> , <b>2021</b> , 100, 858-863	1.8	6
84	A discovery method of service-correlation for service composition in virtual enterprise. <i>European Journal of Industrial Engineering</i> , <b>2014</b> , 8, 579	1.1	5
83	Composable correlation mining of cloud service in cloud manufacturing <b>2011</b> ,		5
82	A multi-scale modeling method for digital twin shop-floor. <i>Journal of Manufacturing Systems</i> , <b>2022</b> , 62, 417-428	9.1	5
81	Architecture of Hybrid Cloud for Manufacturing Enterprise. <i>Communications in Computer and Information Science</i> , <b>2012</b> , 365-372	0.3	5
80	Controlling the Structure and Function of Protein Thin Films through Amyloid-like Aggregation. <i>Accounts of Chemical Research</i> , <b>2021</b> , 54, 3016-3027	24.3	5
79	Applications of Digital Twin <b>2019</b> , 29-62		4
78	Task allocation in manufacturing: A review. <i>Journal of Industrial Information Integration</i> , <b>2019</b> , 15, 207-218		4
77	A hybrid particle swarm optimization and simulated annealing algorithm for job-shop scheduling <b>2014</b> ,		4
76	Research and Applications of Cloud Manufacturing in China <b>2014</b> , 89-126		4
75	Social selection of game organizers promotes cooperation in spatial public goods games. <i>Europhysics Letters</i> , <b>2013</b> , 102, 50006	1.6	4
74	Modelling of manufacturing resource in manufacturing grid based on XML <b>2006</b> ,		4

73	Image Threshold Processing Based on Simulated Annealing and OTSU Method. <i>Lecture Notes in Electrical Engineering</i> , <b>2016</b> , 223-231	0.2	4
72	Developing Biopolymer Mesocrystals by Crystallization of Secondary Structures. <i>Langmuir</i> , <b>2019</b> , 35, 183-193	4	4
71	Online Detection of Action Start via Soft Computing for Smart City. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 17, 524-533	11.9	4
70	New IT driven rapid manufacturing for emergency response. <i>Journal of Manufacturing Systems</i> , <b>2021</b> , 60, 928-935	9.1	4
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