

Fei Tao

List of Publications by Year in Descending Order

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Version: 2024-04-25

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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	An improved electromagnetism-like mechanism algorithm for energy-aware many-objective flexible job shop scheduling. <i>International Journal of Advanced Manufacturing Technology</i> , 2022 , 119, 4265	3.2	2
233	Digital twin-driven CNC spindle performance assessment. <i>International Journal of Advanced Manufacturing Technology</i> , 2022 , 119, 1821	3.2	0
232	A multi-scale modeling method for digital twin shop-floor. <i>Journal of Manufacturing Systems</i> , 2022 , 62, 417-428	9.1	5
231	From service to digital twin service 2022 , 1-31		
230	Long/short-term preference based dynamic pricing and manufacturing service collaboration optimization. <i>IEEE Transactions on Industrial Informatics</i> , 2022 , 1-1	11.9	1
229	Collaboration Tiredness Aware Manufacturing Service Collaboration Incentive and Optimization. <i>IEEE Transactions on Industrial Informatics</i> , 2022 , 1-1	11.9	
228	Data-driven real-time control method for process equipment in flow shop towards product quality improvement. <i>Procedia CIRP</i> , 2022 , 107, 908-913	1.8	
227	Artificial intelligence in product lifecycle management. <i>International Journal of Advanced Manufacturing Technology</i> , 2021 , 114, 771-796	3.2	10
226	Automated Overheated Region Object Detection of Photovoltaic Module With Thermography Image. <i>IEEE Journal of Photovoltaics</i> , 2021 , 11, 535-544	3.7	7
225	Digital twin for human-machine interaction with convolutional neural network. <i>International Journal of Computer Integrated Manufacturing</i> , 2021 , 34, 888-897	4.3	3
224	Manufacturing service supply-demand optimization with dual diversities for industrial internet platforms. <i>Computers and Industrial Engineering</i> , 2021 , 156, 107237	6.4	7
223	Controlling the Structure and Function of Protein Thin Films through Amyloid-like Aggregation. <i>Accounts of Chemical Research</i> , 2021 , 54, 3016-3027	24.3	5
222	Digital twin enhanced fault prediction for the autoclave with insufficient data. <i>Journal of Manufacturing Systems</i> , 2021 , 60, 350-359	9.1	6
221	Digital Twin Enhanced Dynamic Job-Shop Scheduling. <i>Journal of Manufacturing Systems</i> , 2021 , 58, 146-156	9.1	69
220	Online Detection of Action Start via Soft Computing for Smart City. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 524-533	11.9	4
219	Manufacturing Services Scheduling With SupplyDemand Dual Dynamic Uncertainties Toward Industrial Internet Platforms. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 2997-3010	11.9	8
218	New Paradigm of Data-Driven Smart Customisation through Digital Twin. <i>Journal of Manufacturing Systems</i> , 2021 , 58, 270-280	9.1	29

217	Surrogate Model via Artificial Intelligence Method for Accelerating Screening Materials and Performance Prediction. <i>Advanced Functional Materials</i> , 2021 , 31, 2006245	15.6	8
216	Smart Manufacturing and Intelligent Manufacturing: A Comparative Review. <i>Engineering</i> , 2021 , 7, 738-757	5.7	56
215	Enabling technologies and tools for digital twin. <i>Journal of Manufacturing Systems</i> , 2021 , 58, 3-21	9.1	224
214	A physical model and data-driven hybrid prediction method towards quality assurance for composite components. <i>CIRP Annals - Manufacturing Technology</i> , 2021 , 70, 115-118	4.9	3
213	New IT driven rapid manufacturing for emergency response. <i>Journal of Manufacturing Systems</i> , 2021 , 60, 928-935	9.1	4
212	Suppression of Sunscreen Leakage in Water by Amyloid-like Protein Aggregates. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 42451-42460	9.5	1
211	Artificial intelligence enhanced interaction in digital twin shop-floor. <i>Procedia CIRP</i> , 2021 , 100, 858-863	1.8	6
210	A generic energy prediction model of machine tools using deep learning algorithms. <i>Applied Energy</i> , 2020 , 275, 115402	10.7	28
209	Digital twin driven lean design for computerized numerical control machine tools 2020 , 265-287		
208	An evolutionary algorithm recommendation method with a case study in flow shop scheduling. <i>International Journal of Advanced Manufacturing Technology</i> , 2020 , 109, 781-796	3.2	2
207	Dynamic Mode Transfer Scheduling for Degrading Standby System Considering Load-Sharing Characteristic. <i>IEEE Systems Journal</i> , 2020 , 1-12	4.3	2
206	Adaptive Optimization Method in Digital Twin Conveyor Systems via Range-Inspection Control. <i>IEEE Transactions on Automation Science and Engineering</i> , 2020 , 1-9	4.9	7
205	Failure Prognosis of Complex Equipment With Multistream Deep Recurrent Neural Network. <i>Journal of Computing and Information Science in Engineering</i> , 2020 , 20,	2.4	8
204	Digital twin based computerized numerical control machine tool virtual prototype design 2020 , 237-263		
203	Digital twin driven conceptual design 2020 , 33-66		2
202	Digital twin driven smart product design framework 2020 , 3-32		2
201	Digital twin driven design evaluation 2020 , 139-164		1
200	Opportunistic maintenance for multi-unit series systems based on gated recurrent units prediction model. <i>CIRP Annals - Manufacturing Technology</i> , 2020 , 69, 25-28	4.9	2

199	Scalable Hypernetwork-Based Manufacturing Services Supply Demand Matching Toward Industrial Internet Platforms. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 5000-5014	7.3	7
198	Failures detection and cascading analysis of manufacturing services collaboration toward industrial internet platforms. <i>Journal of Manufacturing Systems</i> , 2020 , 57, 169-181	9.1	0
197	Digital twin and blockchain enhanced smart manufacturing service collaboration and management. <i>Journal of Manufacturing Systems</i> , 2020 ,	9.1	20
196	Tuning Chain Relaxation from an Amorphous Biopolymer Film to Crystals by Removing Air/Water Interface Limitations. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 20192-20200	16.4	3
195	Tuning Chain Relaxation from an Amorphous Biopolymer Film to Crystals by Removing Air/Water Interface Limitations. <i>Angewandte Chemie</i> , 2020 , 132, 20367-20375	3.6	0
194	Manufacturing services collaboration: connotation, framework, key technologies, and research issues. <i>International Journal of Advanced Manufacturing Technology</i> , 2020 , 110, 2573-2589	3.2	6
193	Hypernetwork-based manufacturing service scheduling for distributed and collaborative manufacturing operations towards smart manufacturing. <i>Journal of Intelligent Manufacturing</i> , 2020 , 31, 1707-1720	6.7	22
192	DT-II:Digital twin enhanced Industrial Internet reference framework towards smart manufacturing. <i>Robotics and Computer-Integrated Manufacturing</i> , 2020 , 62, 101881	9.2	63
191	Digital Twin Driven Green Material Optimal-Selection towards Sustainable Manufacturing. <i>Procedia CIRP</i> , 2019 , 81, 1290-1294	1.8	16
190	Data Driven Smart Customization. <i>Procedia CIRP</i> , 2019 , 81, 564-569	1.8	19
189	Make more digital twins. <i>Nature</i> , 2019 , 573, 490-491	50.4	129
188	Digital twin enhanced human-machine interaction in product lifecycle. <i>Procedia CIRP</i> , 2019 , 83, 789-793	1.8	35
187	. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 3712-3722	11.9	26
186	Blockchain-Based Trust Mechanism for IoT-Based Smart Manufacturing System. <i>IEEE Transactions on Computational Social Systems</i> , 2019 , 6, 1386-1394	4.5	44
185	Digital Twins and CyberPhysical Systems toward Smart Manufacturing and Industry 4.0: Correlation and Comparison. <i>Engineering</i> , 2019 , 5, 653-661	9.7	267
184	Cloud manufacturing paradigm with ubiquitous robotic system for product customization. <i>Robotics and Computer-Integrated Manufacturing</i> , 2019 , 60, 12-22	9.2	31
183	Consensus aware manufacturing service collaboration optimization under blockchain based Industrial Internet platform. <i>Computers and Industrial Engineering</i> , 2019 , 135, 1025-1035	6.4	35
182	Robotic disassembly re-planning using a two-pointer detection strategy and a super-fast bees algorithm. <i>Robotics and Computer-Integrated Manufacturing</i> , 2019 , 59, 130-142	9.2	30

181	Data-driven smart production line and its common factors. <i>International Journal of Advanced Manufacturing Technology</i> , 2019 , 103, 1211-1223	3.2	15
180	Background and Concept of Digital Twin 2019 , 3-28		11
179	Applications of Digital Twin 2019 , 29-62		4
178	Five-Dimension Digital Twin Modeling and Its Key Technologies 2019 , 63-81		14
177	Digital Twin Shop-Floor 2019 , 85-110		0
176	Equipment Energy Consumption Management in Digital Twin Shop-Floor 2019 , 111-124		
175	CyberPhysical Fusion in Digital Twin Shop-Floor 2019 , 125-139		0
174	Digital Twin-Driven Prognostics and Health Management 2019 , 141-167		
173	Digital Twin and Services 2019 , 203-217		27
172	Digital Twin, CyberPhysical System, and Internet of Things 2019 , 243-256		1
171	Digital Twin and Cloud, Fog, Edge Computing 2019 , 171-181		3
170	Task allocation in manufacturing: A review. <i>Journal of Industrial Information Integration</i> , 2019 , 15, 207-218		4
169	Biologically Inspired Design of Context-Aware Smart Products. <i>Engineering</i> , 2019 , 5, 637-645	9.7	12
168	A Smart Manufacturing Service System Based on Edge Computing, Fog Computing, and Cloud Computing. <i>IEEE Access</i> , 2019 , 7, 86769-86777	3.5	87
167	A variable frequency sampling method for sudden small-volume data and conventional large-volume data. <i>Procedia CIRP</i> , 2019 , 81, 1319-1324	1.8	1
166	Smart Product-Service Systems Solution Design via Hybrid Crowd Sensing Approach. <i>IEEE Access</i> , 2019 , 7, 128463-128473	3.5	13
165	Quantized Feedback Control of Fuzzy Markov Jump Systems. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 3375-3384	10.2	78
164	Digital Twin and Big Data 2019 , 183-202		8

163	A multi-agent architecture for scheduling in platform-based smart manufacturing systems. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2019 , 20, 1465-1492	2.2	16
162	A field programmable gate array implemented fibre channel switch for big data communication towards smart manufacturing. <i>Robotics and Computer-Integrated Manufacturing</i> , 2019 , 57, 166-181	9.2	20
161	Developing Biopolymer Mesocrystals by Crystallization of Secondary Structures. <i>Langmuir</i> , 2019 , 35, 183-193	4	4
160	Digital Twin in Industry: State-of-the-Art. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 2405-2415	11.9	658
159	Logistics-aware manufacturing service collaboration optimisation towards industrial internet platform. <i>International Journal of Production Research</i> , 2019 , 57, 4007-4026	7.8	17
158	New IT Driven Service-Oriented Smart Manufacturing: Framework and Characteristics. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 49, 81-91	7.3	160
157	Digital twin-driven product design framework. <i>International Journal of Production Research</i> , 2019 , 57, 3935-3953	7.8	302
156	Cloud manufacturing based service encapsulation and optimal configuration method for injection molding machine. <i>Journal of Intelligent Manufacturing</i> , 2019 , 30, 2681-2699	6.7	19
155	Protein-Bound Freestanding 2D Metal Film for Stealth Information Transmission. <i>Advanced Materials</i> , 2019 , 31, e1803377	24	32
154	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	3.2	67
153	Industrial IoT in 5G environment towards smart manufacturing. <i>Journal of Industrial Information Integration</i> , 2018 , 10, 10-19	7	186
152	Digital Twin and Big Data Towards Smart Manufacturing and Industry 4.0: 360 Degree Comparison. <i>IEEE Access</i> , 2018 , 6, 3585-3593	3.5	541
151	Toward Dynamic Resources Management for IoT-Based Manufacturing 2018 , 56, 52-59		92
150	IIHub: An Industrial Internet-of-Things Hub Toward Smart Manufacturing Based on Cyber-Physical System. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 2271-2280	11.9	117
149	An Iterative Budget Algorithm for Dynamic Virtual Machine Consolidation Under Cloud Computing Environment. <i>IEEE Transactions on Services Computing</i> , 2018 , 1-1	4.8	7
148	Data-driven smart manufacturing. <i>Journal of Manufacturing Systems</i> , 2018 , 48, 157-169	9.1	607
147	. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 6044-6054	8.9	25
146	Parallel design of intelligent optimization algorithm based on FPGA. <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 94, 3399-3412	3.2	10

145	An Ontology-Based Resource Reconfiguration Method for Manufacturing Cyber-Physical Systems. <i>IEEE/ASME Transactions on Mechatronics</i> , 2018 , 23, 2537-2546	5.5	45
144	Advanced manufacturing systems: supply demand matching of manufacturing resource based on complex networks and Internet of Things. <i>Enterprise Information Systems</i> , 2018 , 12, 780-797	3.5	48
143	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> , 2018 , 31, 337-348	4.3	33
142	Digital twin-driven product design, manufacturing and service with big data. <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 94, 3563-3576	3.2	963
141	Data and knowledge mining with big data towards smart production. <i>Journal of Industrial Information Integration</i> , 2018 , 9, 1-13	7	105
140	Auto-Sorting System Toward Smart Factory Based on Deep Learning for Image Segmentation. <i>IEEE Sensors Journal</i> , 2018 , 1-1	4	7
139	Equipment energy consumption management in digital twin shop-floor: A framework and potential applications 2018 ,		21
138	Phase-Transited Lysozyme as a Universal Route to Bioactive Hydroxyapatite Crystalline Film. <i>Advanced Functional Materials</i> , 2018 , 28, 1704476	15.6	68
137	Partial/Parallel Disassembly Sequence Planning for Complex Products. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2018 , 140,	3.3	31
136	Digital Twin Service towards Smart Manufacturing. <i>Procedia CIRP</i> , 2018 , 72, 237-242	1.8	166
135	Self-assembled membrane composed of amyloid-like proteins for efficient size-selective molecular separation and dialysis. <i>Nature Communications</i> , 2018 , 9, 5443	17.4	60
134	A manufacturing services collaboration framework toward industrial internet platforms 2018 ,		2
133	Modeling of Cyber-Physical Systems and Digital Twin Based on Edge Computing, Fog Computing and Cloud Computing Towards Smart Manufacturing 2018 ,		25
132	An improved artificial bee colony for facility location allocation problem of end-of-life vehicles recovery network. <i>Journal of Cleaner Production</i> , 2018 , 205, 134-144	10.3	20
131	Connectivity-Based Accessibility for Public Bicycle Sharing Systems. <i>IEEE Transactions on Automation Science and Engineering</i> , 2018 , 15, 1521-1532	4.9	10
130	Digital twin driven prognostics and health management for complex equipment. <i>CIRP Annals - Manufacturing Technology</i> , 2018 , 67, 169-172	4.9	265
129	Digital twin modeling method for CNC machine tool 2018 ,		23
128	Cloud manufacturing: key characteristics and applications. <i>International Journal of Computer Integrated Manufacturing</i> , 2017 , 30, 501-515	4.3	178

127	Advanced manufacturing systems: socialization characteristics and trends. <i>Journal of Intelligent Manufacturing</i> , 2017 , 28, 1079-1094	6.7	203
126	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> , 2017 , 231, 2159-2172	2.4	15
125	Modeling of manufacturing service supply-demand matching hypernetwork in service-oriented manufacturing systems. <i>Robotics and Computer-Integrated Manufacturing</i> , 2017 , 45, 59-72	9.2	89
124	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> , 2017 , 139,	3.3	25
123	Overview of IoT-Enabled Manufacturing System 2017 , 21-41		1
122	Real-Time and Multisource Manufacturing Information Sensing System 2017 , 43-65		
121	IoT-Enabled Smart Assembly Station 2017 , 67-84		
120	Cloud Computing-Based Manufacturing Resources Configuration Method 2017 , 85-107		1
119	Real-Time Key Production Performances Analysis Method 2017 , 129-145		
118	A clustering network-based approach to service composition in cloud manufacturing. <i>International Journal of Computer Integrated Manufacturing</i> , 2017 , 30, 1331-1342	4.3	39
117	Energy-Aware Material Selection for Product With Multicomponent Under Cloud Environment. <i>Journal of Computing and Information Science in Engineering</i> , 2017 , 17,	2.4	2
116	Complex networks in advanced manufacturing systems. <i>Journal of Manufacturing Systems</i> , 2017 , 43, 409-421	4.1	37
115	CoSMSOL: Complex system modeling, simulation and optimization language. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2017 , 08, 1741002	0.8	11
114	Tuning Crystallization Pathways through the Mesoscale Assembly of Biomacromolecular Nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 13440-13444	16.4	38
113	Smart Production Line: Common Factors and Data-Driven Implementation Method 2017 ,		2
112	A Systematic Function Recommendation Process for Data-Driven Product and Service Design. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2017 , 139,	3	13
111	Digital Twin Shop-Floor: A New Shop-Floor Paradigm Towards Smart Manufacturing. <i>IEEE Access</i> , 2017 , 5, 20418-20427	3.5	488
110	SDMSim: A manufacturing service supply-demand matching simulator under cloud environment. <i>Robotics and Computer-Integrated Manufacturing</i> , 2017 , 45, 34-46	9.2	150

109	Call for Papers Issue 3/2019. <i>Business and Information Systems Engineering</i> , 2017 , 59, 483-484	3.8	
108	Tuning Crystallization Pathways through the Mesoscale Assembly of Biomacromolecular Nanocrystals. <i>Angewandte Chemie</i> , 2017 , 129, 13625-13629	3.6	3
107	Optimizing Support Vector Machine with Genetic Algorithm for Capacitive Sensing-Based Locomotion Mode Recognition. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 1035-1047	0.4	
106	Customized production based on distributed 3D printing services in cloud manufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 84, 71-83	3.2	104
105	BGM-BLA: A New Algorithm for Dynamic Migration of Virtual Machines in Cloud Computing. <i>IEEE Transactions on Services Computing</i> , 2016 , 9, 910-925	4.8	62
104	Rotated neighbor learning-based auto-configured evolutionary algorithm. <i>Science China Information Sciences</i> , 2016 , 59, 1	3.4	6
103	Internet of Things in product life-cycle energy management. <i>Journal of Industrial Information Integration</i> , 2016 , 1, 26-39	7	94
102	A novel search algorithm based on waterweeds reproduction principle for job shop scheduling problem. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 84, 405-424	3.2	8
101	A new approach for data processing in supply chain network based on FPGA. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 84, 249-260	3.2	11
100	Image Threshold Processing Based on Simulated Annealing and OTSU Method. <i>Lecture Notes in Electrical Engineering</i> , 2016 , 223-231	0.2	4
99	Research on Evolution and Simulation of Transaction Process in Cloud Manufacturing. <i>Lecture Notes in Electrical Engineering</i> , 2016 , 553-562	0.2	1
98	The Research of High-Definition Video Processing System Based on SOC. <i>Lecture Notes in Electrical Engineering</i> , 2016 , 153-161	0.2	
97	A hybrid group leader algorithm for green material selection with energy consideration in product design. <i>CIRP Annals - Manufacturing Technology</i> , 2016 , 65, 9-12	4.9	44
96	An Extensible Model for Multitask-Oriented Service Composition and Scheduling in Cloud Manufacturing. <i>Journal of Computing and Information Science in Engineering</i> , 2016 , 16, 041009	2.4	46
95	A trust evaluation model towards cloud manufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 84, 133-146	3.2	35
94	Research on Detecting Abnormal Energy Consumption in Energy Management System. <i>Communications in Computer and Information Science</i> , 2016 , 233-244	0.3	
93	A Hybrid RCO for Dual Scheduling of Cloud Service and Computing Resource in Private Cloud. <i>Springer Series in Advanced Manufacturing</i> , 2015 , 257-287	0.9	2
92	Big Data in product lifecycle management. <i>International Journal of Advanced Manufacturing Technology</i> , 2015 , 81, 667-684	3.2	315

91	Resource service sharing in cloud manufacturing based on the GaleBhopley algorithm: advantages and challenge. <i>International Journal of Computer Integrated Manufacturing</i> , 2015 , 1-13	4.3	13
90	Dynamic Configuration of Intelligent Optimization Algorithms. <i>Springer Series in Advanced Manufacturing</i> , 2015 , 83-105	0.9	
89	Recent Advances of Intelligent Optimization Algorithm in Manufacturing. <i>Springer Series in Advanced Manufacturing</i> , 2015 , 35-80	0.9	
88	Configurable Intelligent Optimization Algorithm. <i>Springer Series in Advanced Manufacturing</i> , 2015 ,	0.9	8
87	Cloud manufacturing: from concept to practice. <i>Enterprise Information Systems</i> , 2015 , 9, 186-209	3.5	187
86	Dynamic Supply-Demand Matching for Manufacturing Resource Services in Service-Oriented Manufacturing Systems: A Hypernetwork-Based Solution Framework 2015 ,		12
85	Ca-mediated electroformation of cell-sized lipid vesicles. <i>Scientific Reports</i> , 2015 , 5, 9839	4.9	13
84	Manufacturing Service Management in Cloud Manufacturing: Overview and Future Research Directions. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2015 , 137,	3.3	136
83	Complex networks based manufacturing service and task management in cloud environment 2015 ,		7
82	Improvement and Hybridization of Intelligent Optimization Algorithm. <i>Springer Series in Advanced Manufacturing</i> , 2015 , 107-126	0.9	
81	Computing Resource Allocation with PEADGA. <i>Springer Series in Advanced Manufacturing</i> , 2015 , 291-331	0.9	
80	GA-BHTR for Partner Selection Problem. <i>Springer Series in Advanced Manufacturing</i> , 2015 , 157-189	0.9	
79	A Modeling Framework for Resource Service Sharing in a Cloud Manufacturing System. <i>IFIP Advances in Information and Communication Technology</i> , 2015 , 412-419	0.5	1
78	CLPS-GA: A case library and Pareto solution-based hybrid genetic algorithm for energy-aware cloud service scheduling. <i>Applied Soft Computing Journal</i> , 2014 , 19, 264-279	7.5	122
77	Concept, Principle and Application of Dynamic Configuration for Intelligent Algorithms. <i>IEEE Systems Journal</i> , 2014 , 8, 28-42	4.3	38
76	. <i>IEEE Transactions on Industrial Informatics</i> , 2014 , 10, 1252-1261	11.9	108
75	CCIoT-CMfg: Cloud Computing and Internet of Things-Based Cloud Manufacturing Service System. <i>IEEE Transactions on Industrial Informatics</i> , 2014 , 10, 1435-1442	11.9	475
74	IoT-Based Intelligent Perception and Access of Manufacturing Resource Toward Cloud Manufacturing. <i>IEEE Transactions on Industrial Informatics</i> , 2014 , 10, 1547-1557	11.9	434

73	A chaos control optimal algorithm for QoS-based service composition selection in cloud manufacturing system. <i>Enterprise Information Systems</i> , 2014 , 8, 445-463	3.5	105
72	Optimal guidance law design for impact with terminal angle of attack constraint. <i>Optik</i> , 2014 , 125, 243-253		24
71	Cloud manufacturing: a new manufacturing paradigm. <i>Enterprise Information Systems</i> , 2014 , 8, 167-187	3.5	583
70	A discovery method of service-correlation for service composition in virtual enterprise. <i>European Journal of Industrial Engineering</i> , 2014 , 8, 579	1.1	5
69	Design of Optimal Attack-Angle for RLV Reentry Based on Quantum Particle Swarm Optimization. <i>Advances in Mechanical Engineering</i> , 2014 , 6, 352983	1.2	8
68	A hybrid particle swarm optimization and simulated annealing algorithm for job-shop scheduling 2014 ,		4
67	QMAEA: A quantum multi-agent evolutionary algorithm for multi-objective combinatorial optimization. <i>Simulation</i> , 2014 , 90, 182-204	1.2	12
66	An Evolving Web Service Interaction Network Model. <i>Applied Mechanics and Materials</i> , 2014 , 610, 559-563		3
65	Future Manufacturing Industry with Cloud Manufacturing 2014 , 127-152		8
64	Research and Applications of Cloud Manufacturing in China 2014 , 89-126		4
63	Classifier Selection for Locomotion Mode Recognition Using Wearable Capacitive Sensing Systems. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 763-774	0.4	1
62	Modeling and Solution for Virtual Channel Scheduling for Downlink Business. <i>Communications in Computer and Information Science</i> , 2014 , 35-47	0.3	2
61	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	3.2	76
60	Green partner selection in virtual enterprise based on Pareto genetic algorithms. <i>International Journal of Advanced Manufacturing Technology</i> , 2013 , 67, 2109-2125	3.2	42
59	FC-PACO-RM: A Parallel Method for Service Composition Optimal-Selection in Cloud Manufacturing System. <i>IEEE Transactions on Industrial Informatics</i> , 2013 , 9, 2023-2033	11.9	288
58	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	11.6	69
57	On-line optimization design of sliding mode guidance law with multiple constraints. <i>Applied Mathematical Modelling</i> , 2013 , 37, 7568-7587	4.5	12
56	Multiple Faults Detection with SoC Dynamic Reconfiguration System Based on FPGA. <i>Advanced Materials Research</i> , 2013 , 694-697, 2642-2645	0.5	1

55	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	2.4	75
54	The Implementation and Validation of Multidimensional Kalman Filter in SoC System. <i>Advanced Materials Research</i> , 2013 , 694-697, 2656-2659	0.5	
53	Social selection of game organizers promotes cooperation in spatial public goods games. <i>Europhysics Letters</i> , 2013 , 102, 50006	1.6	4
52	Lifecycle Management of Knowledge in a Cloud Manufacturing System 2013 ,		3
51	Development and Implementation of Cloud Manufacturing: An Evolutionary Perspective 2013 ,		2
50	Does migration cost influence cooperation among success-driven individuals?. <i>Chaos, Solitons and Fractals</i> , 2012 , 45, 1301-1308	9.3	12
49	Framework of evaluation system for energy-saving and emission-reduction based on BOM 2012 ,		1
48	Research on measurement method of resource service composition flexibility in service-oriented manufacturing system. <i>International Journal of Computer Integrated Manufacturing</i> , 2012 , 25, 113-135	4.3	30
47	GA-BHTR: an improved genetic algorithm for partner selection in virtual manufacturing. <i>International Journal of Production Research</i> , 2012 , 50, 2079-2100	7.8	34
46	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> , 2012 , 226, 1099-1117	2.4	39
45	A methodology towards virtualisation-based high performance simulation platform supporting multidisciplinary design of complex products. <i>Enterprise Information Systems</i> , 2012 , 6, 267-290	3.5	65
44	A study of optimal allocation of computing resources in cloud manufacturing systems. <i>International Journal of Advanced Manufacturing Technology</i> , 2012 , 63, 671-690	3.2	107
43	Concept and Framework of Reconfigurable Intelligent Optimization Algorithm. <i>Advanced Materials Research</i> , 2012 , 479-481, 1875-1879	0.5	1
42	Research on the Knowledge-Based Multi-Dimensional Information Model of Manufacturing Capability in CMfg. <i>Advanced Materials Research</i> , 2012 , 472-475, 2592-2595	0.5	6
41	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	3.5	79
40	Research on manufacturing grid resource service optimal-selection and composition framework. <i>Enterprise Information Systems</i> , 2012 , 6, 237-264	3.5	91
39	Analysis of cloud service transaction in cloud manufacturing 2012 ,		7
38	Architecture of Hybrid Cloud for Manufacturing Enterprise. <i>Communications in Computer and Information Science</i> , 2012 , 365-372	0.3	5

37	Modeling and High Performance Computing Analysis of Three-Dimensional Electromagnetic Environment. <i>Communications in Computer and Information Science</i> , 2012 , 25-33	0.3	1
36	A Business Entity Correlation Discovery Method between Cloud Services in Cloud Manufacturing System. <i>Proceedings in Information and Communications Technology</i> , 2012 , 301-307		1
35	Energy adaptive immune genetic algorithm for collaborative design task scheduling in Cloud Manufacturing system 2011 ,		18
34	Cloud Manufacturing. <i>Advanced Materials Research</i> , 2011 , 201-203, 672-676	0.5	14
33	Study on Multi-View Model for Cloud Manufacturing. <i>Advanced Materials Research</i> , 2011 , 201-203, 685-688		16
32	The optimal allocation model of computing resources in cloud manufacturing system 2011 ,		6
31	Cloud manufacturing: a computing and service-oriented manufacturing model. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2011 , 225, 1969-1976	2.4	379
30	Composable correlation mining of cloud service in cloud manufacturing 2011 ,		5
29	A review of the application of grid technology in manufacturing. <i>International Journal of Production Research</i> , 2011 , 49, 4119-4155	7.8	65
28	A Framework for Correlation Relationship Mining of Cloud Service in Cloud Manufacturing System. <i>Advanced Materials Research</i> , 2011 , 314-316, 2259-2262	0.5	8
27	2011 ,		16
26	Research on the Measurement Method of Flexibility of Resource Service Composition in Cloud Manufacturing. <i>Advanced Materials Research</i> , 2010 , 139-141, 1451-1454	0.5	12
25	Study of failure detection and recovery in manufacturing grid resource service scheduling. <i>International Journal of Production Research</i> , 2010 , 48, 69-94	7.8	20
24	Correlation-aware web services composition and QoS computation model in virtual enterprise. <i>International Journal of Advanced Manufacturing Technology</i> , 2010 , 51, 817-827	3.2	56
23	Resource service optimal-selection based on intuitionistic fuzzy set and non-functionality QoS in manufacturing grid system. <i>Knowledge and Information Systems</i> , 2010 , 25, 185-208	2.4	65
22	Correlation-aware resource service composition and optimal-selection in manufacturing grid. <i>European Journal of Operational Research</i> , 2010 , 201, 129-143	5.6	141
21	A quantum multi-agent evolutionary algorithm for selection of partners in a virtual enterprise. <i>CIRP Annals - Manufacturing Technology</i> , 2010 , 59, 485-488	4.9	40
20	A framework for MGrid resource service optimal-selection and composition 2009 ,		1

19	Application and modeling of resource service trust-QoS evaluation in manufacturing grid system. <i>International Journal of Production Research</i> , 2009 , 47, 1521-1550	7.8	66
18	An approach to manufacturing grid resource service scheduling based on trust-QoS. <i>International Journal of Computer Integrated Manufacturing</i> , 2009 , 22, 100-111	4.3	38
17	Study on manufacturing grid resource service QoS modeling and evaluation. <i>International Journal of Advanced Manufacturing Technology</i> , 2009 , 41, 1034-1042	3.2	59
16	Study on resource service match and search in manufacturing grid system. <i>International Journal of Advanced Manufacturing Technology</i> , 2009 , 43, 379-399	3.2	34
15	Manufacturing grid resource and resource service digital description. <i>International Journal of Advanced Manufacturing Technology</i> , 2009 , 44, 1024-1035	3.2	22
14	Resource Service Composition and Its Optimal-Selection Based on Particle Swarm Optimization in Manufacturing Grid System. <i>IEEE Transactions on Industrial Informatics</i> , 2008 , 4, 315-327	11.9	214
13	Study on Semantic-Aware Manufacturing Grid Architecture 2008 ,		1
12	Study on manufacturing grid & its resource service optimal-selection system. <i>International Journal of Advanced Manufacturing Technology</i> , 2008 , 37, 1022-1041	3.2	98
11	Resource Modeling of Logistic Grid System Based on XML 2007 ,		2
10	Modelling of manufacturing resource in manufacturing grid based on XML 2006 ,		4
9	The Connotation of Manufacturing Grid & its key technology 2006 ,		3
8	Resources publication and discovery in manufacturing grid. <i>Journal of Zhejiang University: Science A</i> , 2006 , 7, 1676-1682	2.1	11
7	Graph-based operational robustness analysis of industrial Internet of things platform for manufacturing service collaboration. <i>International Journal of Production Research</i> , 1-28	7.8	0
6	Digital twin data: methods and key technologies. <i>Digital Twin</i> , 1, 2		3
5	Digital twin-driven complexity management in intelligent manufacturing. <i>Digital Twin</i> , 1, 9		1
4	Blockchain applications in PLM towards smart manufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , 1	3.2	2
3	Industrial Dataspace for smart manufacturing: connotation, key technologies, and framework. <i>International Journal of Production Research</i> , 1-16	7.8	6
2	Inaugural Editorial - Digital Twin. <i>Digital Twin</i> , 1, 1		0

1 Digital twin data: methods and key technologies. *Digital Twin*, 1, 2

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