

# Yang Liu

## List of Publications by Year in descending order

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110  
papers

4,428  
citations

101543

36  
h-index

114465

63  
g-index

115  
all docs

115  
docs citations

115  
times ranked

3508  
citing authors

#	ARTICLE	IF	CITATIONS
1	A big data analytics architecture for cleaner manufacturing and maintenance processes of complex products. <i>Journal of Cleaner Production</i> , 2017, 142, 626-641.	9.3	339
2	A comprehensive review of big data analytics throughout product lifecycle to support sustainable smart manufacturing: A framework, challenges and future research directions. <i>Journal of Cleaner Production</i> , 2019, 210, 1343-1365.	9.3	275
3	Barriers to smart waste management for a circular economy in China. <i>Journal of Cleaner Production</i> , 2019, 240, 118198.	9.3	241
4	A framework for Big Data driven product lifecycle management. <i>Journal of Cleaner Production</i> , 2017, 159, 229-240.	9.3	168
5	Sustainability Assessment of Intelligent Manufacturing Supported by Digital Twin. <i>IEEE Access</i> , 2020, 8, 174988-175008.	4.2	156
6	A big data driven analytical framework for energy-intensive manufacturing industries. <i>Journal of Cleaner Production</i> , 2018, 197, 57-72.	9.3	149
7	A novel multi-objective programming model of relief distribution for sustainable disaster supply chain in large-scale natural disasters. <i>Journal of Cleaner Production</i> , 2018, 174, 1422-1435.	9.3	127
8	Development of a lean manufacturing framework to enhance its adoption within manufacturing companies in developing economies. <i>Journal of Cleaner Production</i> , 2020, 245, 118726.	9.3	124
9	Data-driven sustainable intelligent manufacturing based on demand response for energy-intensive industries. <i>Journal of Cleaner Production</i> , 2020, 274, 123155.	9.3	114
10	Research on services encapsulation and virtualization access model of machine for cloud manufacturing. <i>Journal of Intelligent Manufacturing</i> , 2017, 28, 1109-1123.	7.3	109
11	Linking capabilities to green operations strategies: The moderating role of corporate environmental proactivity. <i>International Journal of Production Economics</i> , 2017, 187, 182-195.	8.9	106
12	Game theory based real-time multi-objective flexible job shop scheduling considering environmental impact. <i>Journal of Cleaner Production</i> , 2017, 167, 665-679.	9.3	100
13	An "Internet of Things" enabled dynamic optimization method for smart vehicles and logistics tasks. <i>Journal of Cleaner Production</i> , 2019, 215, 806-820.	9.3	99
14	Smart box-enabled product"service system for cloud logistics. <i>International Journal of Production Research</i> , 2016, 54, 6693-6706.	7.5	93
15	The "Internet of Things" enabled real-time scheduling for remanufacturing of automobile engines. <i>Journal of Cleaner Production</i> , 2018, 185, 562-575.	9.3	90
16	Supply chain operations for a circular economy. <i>Production Planning and Control</i> , 2018, 29, 419-424.	8.8	89
17	Organizational coordination in sustainable humanitarian supply chain: An evolutionary game approach. <i>Journal of Cleaner Production</i> , 2019, 219, 291-303.	9.3	85
18	Sustainable competitive advantage in turbulent business environments. <i>International Journal of Production Research</i> , 2013, 51, 2821-2841.	7.5	84

#	ARTICLE	IF	CITATIONS
19	How government subsidies promote the growth of entrepreneurial companies in clean energy industry: An empirical study in China. <i>Journal of Cleaner Production</i> , 2018, 188, 508-520.	9.3	80
20	Evaluating and developing resource-based operations strategy for competitive advantage: an exploratory study of Finnish high-tech manufacturing industries. <i>International Journal of Production Research</i> , 2015, 53, 1019-1037.	7.5	77
21	Toward an ecological civilization: Mass comprehensive ecotourism indications among domestic visitors to a Chinese wetland protected area. <i>Tourism Management</i> , 2019, 70, 59-68.	9.8	71
22	Multiagent and Bargaining-Game-Based Real-Time Scheduling for Internet of Things-Enabled Flexible Job Shop. <i>IEEE Internet of Things Journal</i> , 2019, 6, 2518-2531.	8.7	70
23	Consensus aware manufacturing service collaboration optimization under blockchain based Industrial Internet platform. <i>Computers and Industrial Engineering</i> , 2019, 135, 1025-1035.	6.3	66
24	Digital twin-based opti-state control method for a synchronized production operation system. <i>Robotics and Computer-Integrated Manufacturing</i> , 2020, 63, 101892.	9.9	64
25	A fuzzy bi-level optimization model for multi-period post-disaster relief distribution in sustainable humanitarian supply chains. <i>International Journal of Production Economics</i> , 2021, 235, 108081.	8.9	63
26	Analytical target cascading for optimal configuration of cloud manufacturing services. <i>Journal of Cleaner Production</i> , 2017, 151, 330-343.	9.3	61
27	Towards increased innovativeness and sustainability through organizational culture: A case study of a Finnish construction business. <i>Journal of Cleaner Production</i> , 2017, 142, 3184-3193.	9.3	61
28	A comprehensive analysis of cleaner production policies in China. <i>Journal of Cleaner Production</i> , 2016, 135, 1138-1149.	9.3	58
29	A systematic review of recent developments in disaster waste management. <i>Journal of Cleaner Production</i> , 2019, 235, 822-840.	9.3	55
30	Extracting key factors for sustainable development of enterprises: Case study of SMEs in Taiwan. <i>Journal of Cleaner Production</i> , 2019, 209, 1152-1169.	9.3	54
31	How can smart technologies contribute to sustainable product lifecycle management?. <i>Journal of Cleaner Production</i> , 2020, 249, 119423.	9.3	54
32	An active preventive maintenance approach of complex equipment based on a novel product-service system operation mode. <i>Journal of Cleaner Production</i> , 2020, 277, 123365.	9.3	51
33	Deep reinforcement learning-based safe interaction for industrial human-robot collaboration using intrinsic reward function. <i>Advanced Engineering Informatics</i> , 2021, 49, 101360.	8.0	47
34	Evolutionary game based real-time scheduling for energy-efficient distributed and flexible job shop. <i>Journal of Cleaner Production</i> , 2021, 293, 126093.	9.3	45
35	A cloud service platform integrating additive and subtractive manufacturing with high resource efficiency. <i>Journal of Cleaner Production</i> , 2019, 241, 118379.	9.3	42
36	Insights into the nature of food safety issues in Beijing through content analysis of an Internet database of food safety incidents in China. <i>Food Control</i> , 2015, 51, 206-211.	5.5	40

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37	A two-stage ant colony algorithm for hybrid flow shop scheduling with lot sizing and calendar constraints in printed circuit board assembly. <i>Computers and Industrial Engineering</i> , 2019, 138, 106115.	6.3	39
38	Long/Short-Term Utility Aware Optimal Selection of Manufacturing Service Composition Toward Industrial Internet Platforms. <i>IEEE Transactions on Industrial Informatics</i> , 2019, 15, 3712-3722.	11.3	39
39	IoT-enabled dynamic lean control mechanism for typical production systems. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2019, 10, 1009-1023.	4.9	33
40	The impacts of China's fund policy on waste electrical and electronic equipment utilization. <i>Journal of Cleaner Production</i> , 2020, 251, 119582.	9.3	30
41	Smart Product-Service Systems Solution Design via Hybrid Crowd Sensing Approach. <i>IEEE Access</i> , 2019, 7, 128463-128473.	4.2	29
42	Enhancing cutting tool sustainability based on remaining useful life prediction. <i>Journal of Cleaner Production</i> , 2020, 244, 118794.	9.3	29
43	The sustainability of ecotourism stakeholders in ecologically fragile areas: Implications for cleaner production. <i>Journal of Cleaner Production</i> , 2021, 279, 123606.	9.3	29
44	Research on the group decision-making about emergency event based on network technology. <i>Information Technology and Management</i> , 2011, 12, 137-147.	2.4	28
45	A quaternion-based switching filter for colour image denoising. <i>Signal Processing</i> , 2014, 102, 216-225.	3.7	28
46	Infinitely repeated game based real-time scheduling for low-carbon flexible job shop considering multi-time periods. <i>Journal of Cleaner Production</i> , 2020, 247, 119093.	9.3	28
47	Innovating with Limited Resources: The Antecedents and Consequences of Frugal Innovation. <i>Sustainability</i> , 2019, 11, 5789.	3.2	27
48	Evaluation method of product's service performance. <i>International Journal of Computer Integrated Manufacturing</i> , 2012, 25, 150-157.	4.6	26
49	An improved non-local means filter for color image denoising. <i>Optik</i> , 2018, 173, 157-173.	2.9	26
50	Sustainable waste electrical and electronic equipment management guide in emerging economies context: A structural model approach. <i>Journal of Cleaner Production</i> , 2022, 336, 130391.	9.3	25
51	Enhancing the value of corporate sustainability: An approach for aligning multiple SDGs guides on reporting. <i>Journal of Cleaner Production</i> , 2022, 333, 130005.	9.3	24
52	Global manufacturing strategies require "dynamic engineers". <i>Industrial Management and Data Systems</i> , 2007, 107, 326-344.	3.7	23
53	Competitiveness of Chinese high-tech manufacturing companies in global context. <i>Industrial Management and Data Systems</i> , 2009, 109, 404-424.	3.7	21
54	Evaluation And Selection Process of Suppliers Through Analytical Framework: An Emprical Evidence of Evaluation Tool. <i>Management and Production Engineering Review</i> , 2015, 6, 10-20.	1.4	19

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55	Industrial Internet of Things enabled supply-side energy modelling for refined energy management in aluminium extrusions manufacturing. <i>Journal of Cleaner Production</i> , 2021, 301, 126882.	9.3	17
56	Development of Quality Management Systems: How Have Disruptive Technological Innovations in Quality Management Affected Organizations?. <i>Quality Innovation Prosperity</i> , 2013, 17, .	1.4	17
57	Innovative products and services for sustainable societal development: Current reality, future potential and challenges. <i>Journal of Cleaner Production</i> , 2017, 162, S1-S10.	9.3	15
58	An Advanced Operation Mode with Product-Service System Using Lifecycle Big Data and Deep Learning. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2022, 9, 287-303.	4.9	15
59	Ensemble transfer learning for cutting energy consumption prediction of aviation parts towards green manufacturing. <i>Journal of Cleaner Production</i> , 2022, 331, 129920.	9.3	15
60	Configuring use-oriented aero-engine overhaul service with multi-objective optimization for environmental sustainability. <i>Journal of Cleaner Production</i> , 2017, 162, S94-S106.	9.3	14
61	An Online Learning Collaborative Method for Traffic Forecasting and Routing Optimization. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021, 22, 6634-6645.	8.0	14
62	Managing e-waste from a closed-loop lifecycle perspective: China's challenges and fund policy redesign. <i>Environmental Science and Pollution Research</i> , 2022, 29, 47713-47724.	5.3	13
63	Early-warning analysis of crowd stampede in metro station commercial area based on internet of things. <i>Multimedia Tools and Applications</i> , 2019, 78, 30141-30157.	3.9	12
64	Optimizing supply chain configuration with low carbon emission. <i>Journal of Cleaner Production</i> , 2020, 271, 122539.	9.3	12
65	CPS-enabled and knowledge-aided demand response strategy for sustainable manufacturing. <i>Advanced Engineering Informatics</i> , 2022, 52, 101534.	8.0	12
66	Benchmarking and developing the operational competitiveness of Chinese state-owned manufacturing enterprises in a global context. <i>International Journal of Innovation and Learning</i> , 2010, 7, 202.	0.4	9
67	Transformational Leadership in Operational Competitiveness Improvement: A Case Study in Malaysian Automotive Industry. <i>Management and Production Engineering Review</i> , 2012, 3, 62-70.	1.4	9
68	Analyzing Sustainable Competitive Advantage: Strategically Managing Resource Allocations to Achieve Operational Competitiveness. <i>Management and Production Engineering Review</i> , 2015, 6, 70-86.	1.4	9
69	Operations strategy optimization based on developed sense and respond methodology. <i>Journal on Innovation and Sustainability</i> , 2012, 3, 25.	0.3	8
70	Fuzzy Ensemble of Multi-Criteria Decision Making Methods for Heating Energy Transition in Danish Households. <i>Mathematics</i> , 2021, 9, 2420.	2.2	8
71	Quality Management in the New Product Development: a PPAP Approach. <i>Quality Innovation Prosperity</i> , 2013, 17, .	1.4	7
72	Competitiveness development of Chinese manufacturing enterprises in global context for crisis management. <i>International Journal of Management and Enterprise Development</i> , 2010, 9, 87.	0.3	6

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73	An Optimization Clustering Algorithm Based on Texture Feature Fusion for Color Image Segmentation. Algorithms, 2015, 8, 234-247.	2.1	6
74	Call for papers for a Special Volume of the Journal of Cleaner Production on "Innovative Products and Services for Sustainable Societal Development". Journal of Cleaner Production, 2015, 93, 1-4.	9.3	6
75	Improved augmented Lagrangian coordination for optimizing supply chain configuration with multiple sharing elements in industrial cluster. Industrial Management and Data Systems, 2019, 119, 743-773.	3.7	6
76	Entrepreneurial Experience and Performance: From the Aspect of Sustainable Growth of Enterprises. Sustainability, 2020, 12, 7351.	3.2	6
77	A deeper investigation of different types of core users and their contributions for sustainable innovation in a company-hosted online co-creation community. Journal of Cleaner Production, 2020, 256, 120397.	9.3	6
78	Sustainable service oriented equipment maintenance management of steel enterprises using a two-stage optimization approach. Robotics and Computer-Integrated Manufacturing, 2022, 75, 102311.	9.9	6
79	An Improved RRT Based Path Planning with Safe Navigation. Applied Mechanics and Materials, 2014, 494-495, 1080-1083.	0.2	5
80	Understanding the Impact of "Hard" and "Soft" Elements of TQM in South-East European Firms. Management and Production Engineering Review, 2014, 5, 9-13.	1.4	5
81	A combinatorial optimization model for enterprise patent transfer. Information Technology and Management, 2015, 16, 327-337.	2.4	5
82	Sustainable operations-oriented painting process optimisation in automobile maintenance service. Journal of Cleaner Production, 2021, 324, 129191.	9.3	5
83	A Method for Lifecycle Design of Product/Service Systems Using PLM Software. IFIP Advances in Information and Communication Technology, 2017, , 710-718.	0.7	5
84	A Study Towards Reliability- and Delay-Critical Wireless Communication for RoboCup Robotic Soccer Application. , 2007, , .		4
85	Validating Knowledge and Technology Effects to Operative Sustainable Competitive Advantage. Management and Production Engineering Review, 2013, 4, 45-54.	1.4	4
86	Reinforcement learning based optimal decision making towards product lifecycle sustainability. International Journal of Computer Integrated Manufacturing, 2022, 35, 1269-1296.	4.6	4
87	Analytical Evaluation of Sustainable Competitive Advantage. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 1240-1243.	0.4	3
88	Virtual design and construction: innovation process and diffusion in Finnish construction business. International Journal of Innovation and Learning, 2015, 18, 133.	0.4	3
89	Design as a source of international competitive advantage for SMOPEC firms. International Journal of Innovation and Learning, 2015, 18, 277.	0.4	3
90	Refund policies and core classification errors in the presence of customers' choice behaviour in remanufacturing. International Journal of Production Research, 2021, 59, 3553-3571.	7.5	3

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91	Decision-making of product-service system solution selection based on integrated weight and technique for order preference by similarity to an ideal solution. IET Collaborative Intelligent Manufacturing, 2020, 2, 102-108.	3.3	3
92	Meteorological information service support system in wind park application. Benchmarking, 2015, 22, 222-237.	4.6	2
93	Risk preference, prior experience, and serial entrepreneurship performance: evidence from China. Asia Pacific Business Review, 2023, 29, 613-631.	2.9	2
94	How Social Network Influences the Growth of Entrepreneurial Enterprises: Perspective on Organizational and Personal Network. SAGE Open, 2022, 12, 215824402211081.	1.7	2
95	Operational competitiveness research of chinese high-tech international manufacturing company in global context. , 2008, , .		1
96	Operational Competitiveness of Chinese State-Owned Manufacturing Enterprise in Global Context. , 2008, , .		1
97	Operational Competitiveness Development and Its Risk Evaluation. Journal on Innovation and Sustainability, 2011, 2, 2.	0.3	1
98	Bin Packing Solution for Automated Packaging Application. Applied Mechanics and Materials, 0, 143-144, 279-283.	0.2	1
99	Implementing Sustainable Competitive Advantage to the Public Sector's Management System "By Sense and Respond Methodology in Facilities Services Unit's Preparedness. Management and Production Engineering Review, 2013, 4, 76-86.	1.4	1
100	Key success factors for implementing Taiwan TrainQuality System (TTQS) in Taiwanese enterprises. Production and Manufacturing Research, 2015, 3, 84-102.	1.5	1
101	Mutual Trust: Joint Performance of an Operations Strategy Implementation "Securing the Value Chain by Preparedness. , 2018, , 175-190.		1
102	Validating performance based critical actions in a high tech start-up. Management and Production Engineering Review, 2014, 5, 74-86.	1.4	1
103	A Study Towards Enhanced Reliability Performance of Remote Control and Monitoring Application Over Commercial Wireless Communication Networks. , 2006, , .		0
104	Enhancement of Short Range Wireless Communication Performance Using Adaptive Frequency Hopping. , 2008, , .		0
105	Operational competitiveness of Chinese aeronautics and astronautics manufacturing companies in global context. , 2009, , .		0
106	What Lead to the Successful Mobile Phone Game? " Story of birds who cannot fly but they have enough angeriness. Journal on Innovation and Sustainability, 2014, 5, 71.	0.3	0
107	Technology Diffusion of Cloud Computing. Journal on Innovation and Sustainability, 2014, 5, 80.	0.3	0
108	Development of distributed cache strategy for analytic cluster in an Internet of Things system. , 2018, , .		0

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109	What biological evolution teaches about sustainable engineering innovation. Journal of Cleaner Production, 2019, 240, 118267.	9.3	0
110	A memetic algorithm for energy-efficient scheduling of integrated production and shipping. International Journal of Computer Integrated Manufacturing, 2022, 35, 1246-1268.	4.6	0