

George Q Huang

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.

125
papers

6,215
citations

40
h-index

77
g-index

134
ext. papers

7,318
ext. citations

6
avg, IF

6.37
L-index

#	Paper	IF	Citations
125	RFID-enabled real-time manufacturing execution system for mass-customization production. <i>Robotics and Computer-Integrated Manufacturing</i> , 2013 , 29, 283-292	9.2	320
124	The impacts of sharing production information on supply chain dynamics: A review of the literature. <i>International Journal of Production Research</i> , 2003 , 41, 1483-1517	7.8	300
123	Big Data for supply chain management in the service and manufacturing sectors: Challenges, opportunities, and future perspectives. <i>Computers and Industrial Engineering</i> , 2016 , 101, 572-591	6.4	297
122	A big data approach for logistics trajectory discovery from RFID-enabled production data. <i>International Journal of Production Economics</i> , 2015 , 165, 260-272	9.3	286
121	Tourism supply chain management: A new research agenda. <i>Tourism Management</i> , 2009 , 30, 345-358	10.8	268
120	Hybrid flow shop scheduling considering machine electricity consumption cost. <i>International Journal of Production Economics</i> , 2013 , 146, 423-439	9.3	236
119	Big Data Analytics for Physical Internet-based intelligent manufacturing shop floors. <i>International Journal of Production Research</i> , 2017 , 55, 2610-2621	7.8	235
118	IoT-based real-time production logistics synchronization system under smart cloud manufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 84, 147-164	3.2	221
117	Prefabricated construction enabled by the Internet-of-Things. <i>Automation in Construction</i> , 2017 , 76, 59-70	10.6	183
116	RFID-based wireless manufacturing for walking-worker assembly islands with fixed-position layouts. <i>Robotics and Computer-Integrated Manufacturing</i> , 2007 , 23, 469-477	9.2	171
115	Towards integrated optimal configuration of platform products, manufacturing processes, and supply chains. <i>Journal of Operations Management</i> , 2005 , 23, 267-290	5.2	164
114	Toward a blockchain cloud manufacturing system as a peer to peer distributed network platform. <i>Robotics and Computer-Integrated Manufacturing</i> , 2018 , 54, 133-144	9.2	163
113	RFID-based wireless manufacturing for real-time management of job shop WIP inventories. <i>International Journal of Advanced Manufacturing Technology</i> , 2008 , 36, 752-764	3.2	147
112	Scenarios for applying RFID technology in construction project management. <i>Automation in Construction</i> , 2011 , 20, 101-106	9.6	142
111	Visualization of RFID-enabled shopfloor logistics Big Data in Cloud Manufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 84, 5-16	3.2	140
110	Bridging BIM and building: From a literature review to an integrated conceptual framework. <i>International Journal of Project Management</i> , 2015 , 33, 1405-1416	7.6	125
109	RFID-enabled real-time wireless manufacturing for adaptive assembly planning and control. <i>Journal of Intelligent Manufacturing</i> , 2008 , 19, 701-713	6.7	115

108	Impact of information sharing on inventory replenishment in divergent supply chains. <i>International Journal of Production Research</i> , 2004 , 42, 919-941	7.8	93
107	Radio frequency identification-enabled real-time manufacturing execution system: a case study in an automotive part manufacturer. <i>International Journal of Computer Integrated Manufacturing</i> , 2012 , 25, 51-65	4.3	85
106	A two-level advanced production planning and scheduling model for RFID-enabled ubiquitous manufacturing. <i>Advanced Engineering Informatics</i> , 2015 , 29, 799-812	7.4	82
105	An investigation on minimizing cycle time and total energy consumption in robotic assembly line systems. <i>Journal of Cleaner Production</i> , 2015 , 90, 311-325	10.3	80
104	Agent-based Smart Gateway for RFID-enabled real-time wireless manufacturing. <i>International Journal of Production Research</i> , 2011 , 49, 1337-1352	7.8	76
103	E-commerce Logistics in Supply Chain Management: Practice Perspective. <i>Procedia CIRP</i> , 2016 , 52, 179-185	8.5	74
102	Industrial blockchain based framework for product lifecycle management in industry 4.0. <i>Robotics and Computer-Integrated Manufacturing</i> , 2020 , 63, 101897	9.2	72
101	RFID-enabled real-time advanced planning and scheduling shell for production decision making. <i>International Journal of Computer Integrated Manufacturing</i> , 2013 , 26, 649-662	4.3	70
100	Multi-agent based real-time production scheduling method for radio frequency identification enabled ubiquitous shopfloor environment. <i>Computers and Industrial Engineering</i> , 2014 , 76, 89-97	6.4	68
99	A case of implementing RFID-based real-time shop-floor material management for household electrical appliance manufacturers. <i>Journal of Intelligent Manufacturing</i> , 2012 , 23, 2343-2356	6.7	68
98	Agent-based workflow management for RFID-enabled real-time reconfigurable manufacturing. <i>International Journal of Computer Integrated Manufacturing</i> , 2010 , 23, 101-112	4.3	68
97	Nash game model for optimizing market strategies, configuration of platform products in a Vendor Managed Inventory (VMI) supply chain for a product family. <i>European Journal of Operational Research</i> , 2010 , 206, 361-373	5.6	65
96	Towards product customization and personalization in IoT-enabled cloud manufacturing. <i>Cluster Computing</i> , 2017 , 20, 1717-1730	2.1	64
95	Agent-based smart objects management system for real-time ubiquitous manufacturing. <i>Robotics and Computer-Integrated Manufacturing</i> , 2011 , 27, 538-549	9.2	64
94	Simultaneous configuration of platform products and manufacturing supply chains. <i>International Journal of Production Research</i> , 2008 , 46, 6137-6162	7.8	63
93	System dynamics analysis for an Internet-of-Things-enabled production logistics system. <i>International Journal of Production Research</i> , 2017 , 55, 2622-2649	7.8	62
92	Mining SOTs and dispatching rules from RFID-enabled real-time shopfloor production data. <i>Journal of Intelligent Manufacturing</i> , 2014 , 25, 825-843	6.7	61
91	An Internet of Things-enabled BIM platform for modular integrated construction: A case study in Hong Kong. <i>Advanced Engineering Informatics</i> , 2019 , 42, 100997	7.4	57

90	Game-theoretic approach to simultaneous configuration of platform products and supply chains with one manufacturing firm and multiple cooperative suppliers. <i>International Journal of Production Economics</i> , 2010 , 124, 121-136	9.3	47
89	Blockchain-based ubiquitous manufacturing: a secure and reliable cyber-physical system. <i>International Journal of Production Research</i> , 2020 , 58, 2200-2221	7.8	45
88	Real-time work-in-progress management for smart object-enabled ubiquitous shop-floor environment. <i>International Journal of Computer Integrated Manufacturing</i> , 2011 , 24, 431-445	4.3	44
87	RFID-enabled product-service system for automotive part and accessory manufacturing alliances. <i>International Journal of Production Research</i> , 2012 , 50, 3821-3840	7.8	44
86	Digital twin-enabled Graduation Intelligent Manufacturing System for fixed-position assembly islands. <i>Robotics and Computer-Integrated Manufacturing</i> , 2020 , 63, 101917	9.2	43
85	Cloud-enabled real-time platform for adaptive planning and control in auction logistics center. <i>Computers and Industrial Engineering</i> , 2015 , 84, 79-90	6.4	40
84	Blockchain-enabled logistics finance execution platform for capital-constrained E-commerce retail. <i>Robotics and Computer-Integrated Manufacturing</i> , 2020 , 65, 101962	9.2	40
83	Synchronisation of production scheduling and shipment in an assembly flowshop. <i>International Journal of Production Research</i> , 2015 , 53, 2787-2802	7.8	39
82	Event-driven multi-agent ubiquitous manufacturing execution platform for shop floor work-in-progress management. <i>International Journal of Production Research</i> , 2013 , 51, 1168-1185	7.8	39
81	CKshare: secured cloud-based knowledge-sharing blockchain for injection mold redesign. <i>Enterprise Information Systems</i> , 2019 , 13, 1-33	3.5	39
80	IoT edge computing-enabled collaborative tracking system for manufacturing resources in industrial park. <i>Advanced Engineering Informatics</i> , 2020 , 43, 101044	7.4	35
79	Real-time scheduling for hybrid flowshop in ubiquitous manufacturing environment. <i>Computers and Industrial Engineering</i> , 2015 , 84, 12-23	6.4	34
78	A MPN-based scheduling model for IoT-enabled hybrid flow shop manufacturing. <i>Advanced Engineering Informatics</i> , 2016 , 30, 728-736	7.4	32
77	A systematic review of China's belt and road initiative: implications for global supply chain management. <i>International Journal of Production Research</i> , 2020 , 58, 2436-2453	7.8	32
76	RFID-enabled gateway product service system for collaborative manufacturing alliances. <i>CIRP Annals - Manufacturing Technology</i> , 2011 , 60, 465-468	4.9	31
75	Extending analytical target cascading for optimal configuration of supply chains with alternative autonomous suppliers. <i>International Journal of Production Economics</i> , 2008 , 115, 39-54	9.3	30
74	Digital twin-based opti-state control method for a synchronized production operation system. <i>Robotics and Computer-Integrated Manufacturing</i> , 2020 , 63, 101892	9.2	30
73	Cloud-based fleet management for prefabrication transportation. <i>Enterprise Information Systems</i> , 2019 , 13, 87-106	3.5	30

72	Synchronisation for smart factory - towards IoT-enabled mechanisms. <i>International Journal of Computer Integrated Manufacturing</i> , 2018 , 31, 624-635	4.3	29
71	Port strategy in the era of supply chain management: the case of Hong Kong. <i>Maritime Policy and Management</i> , 2014 , 41, 367-383	2.5	28
70	A sustainable production capability evaluation mechanism based on blockchain, LSTM, analytic hierarchy process for supply chain network. <i>International Journal of Production Research</i> , 2020 , 58, 7399-7419	7.8	27
69	Optimal configuration of assembly supply chains using analytical target cascading. <i>International Journal of Production Research</i> , 2010 , 48, 6883-6907	7.8	27
68	A comparative analysis of quantity and price competitions in tourism supply chain networks for package holidays. <i>Service Industries Journal</i> , 2010 , 30, 1593-1606	5.7	27
67	Data-source interoperability service for heterogeneous information integration in ubiquitous enterprises. <i>Advanced Engineering Informatics</i> , 2015 , 29, 549-561	7.4	26
66	Hybrid flowshop scheduling with batch-discrete processors and machine maintenance in time windows. <i>International Journal of Production Research</i> , 2011 , 49, 1575-1603	7.8	26
65	Optimal configuration of cluster supply chains with augmented Lagrange coordination. <i>Computers and Industrial Engineering</i> , 2015 , 84, 43-55	6.4	25
64	Towards Zero-Warehousing Smart Manufacturing from Zero-Inventory Just-In-Time production. <i>Robotics and Computer-Integrated Manufacturing</i> , 2020 , 64, 101932	9.2	24
63	A Comparative Study of Tourism Supply Chains with Quantity Competition. <i>Journal of Travel Research</i> , 2012 , 51, 717-729	6.3	24
62	A generic analytical target cascading optimization system for decentralized supply chain configuration over supply chain grid. <i>International Journal of Production Economics</i> , 2010 , 127, 262-277	9.3	24
61	Cloud-based mobile gateway operation system for industrial wearables. <i>Robotics and Computer-Integrated Manufacturing</i> , 2019 , 58, 43-54	9.2	24
60	Extending analytical target cascading for optimal supply chain network configuration of a product family. <i>International Journal of Computer Integrated Manufacturing</i> , 2009 , 22, 1012-1023	4.3	21
59	Cyber physical ecommerce logistics system: An implementation case in Hong Kong. <i>Computers and Industrial Engineering</i> , 2020 , 139, 106170	6.4	21
58	IoT-enabled dynamic lean control mechanism for typical production systems. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2019 , 10, 1009-1023	3.7	21
57	Towards Physical Internet-enabled Prefabricated Housing Construction in Hong Kong. <i>IFAC-PapersOnLine</i> , 2015 , 48, 1079-1086	0.7	20
56	Synchroperation in industry 4.0 manufacturing. <i>International Journal of Production Economics</i> , 2021 , 238, 108171	9.3	20
55	A supply chain configuration model for reassessing global manufacturing in China. <i>Journal of Manufacturing Technology Management</i> , 2013 , 24, 669-687	7.1	19

54	Distributed and collaborative proactive tandem location tracking of vehicle products for warehouse operations. <i>Computers and Industrial Engineering</i> , 2018 , 125, 637-648	6.4	18
53	Simultaneous configuration of platform products and manufacturing supply chains: comparative investigation into impacts of different supply chain coordination schemes. <i>Production Planning and Control</i> , 2010 , 21, 609-627	4.3	17
52	A Game-Theoretic Approach to Choice of Profit and Revenue Maximization Strategies in Tourism Supply Chains for Package Holidays. <i>Journal of China Tourism Research</i> , 2008 , 4, 45-60	1.6	17
51	A roadmap for Assembly 4.0: self-configuration of fixed-position assembly islands under Graduation Intelligent Manufacturing System. <i>International Journal of Production Research</i> , 2020 , 58, 4631-4646	7.8	17
50	Log-flock: A blockchain-enabled platform for digital asset valuation and risk assessment in E-commerce logistics financing. <i>Computers and Industrial Engineering</i> , 2021 , 151, 107001	6.4	16
49	Internet of Things-based real-time production logistics synchronization mechanism and method toward customer order dynamics. <i>Transactions of the Institute of Measurement and Control</i> , 2017 , 39, 429-445	1.8	15
48	Digital interoperability in logistics and supply chain management: state-of-the-art and research avenues towards Physical Internet. <i>Computers in Industry</i> , 2021 , 128, 103435	11.6	15
47	Industrial Blockchain: A state-of-the-art Survey. <i>Robotics and Computer-Integrated Manufacturing</i> , 2021 , 70, 102124	9.2	15
46	Blockchain-based smart tracking and tracing platform for drug supply chain. <i>Computers and Industrial Engineering</i> , 2021 , 161, 107669	6.4	14
45	Game-Theoretic Approach to Tourism Supply Chain Coordination Under Demand Uncertainty For Package Holidays. <i>Tourism Analysis</i> , 2010 , 15, 287-298	1.6	10
44	Blockchain-enabled cyber-physical smart modular integrated construction. <i>Computers in Industry</i> , 2021 , 133, 103553	11.6	10
43	Production service system enabled by cloud-based smart resource hierarchy for a highly dynamic synchronized production process. <i>Advanced Engineering Informatics</i> , 2019 , 42, 100995	7.4	9
42	Real-Time Work-in-Progress Management for Ubiquitous Manufacturing Environment. <i>Springer Series in Advanced Manufacturing</i> , 2013 , 193-216	0.9	9
41	A framework for personalized production based on digital twin, blockchain and additive manufacturing in the context of Industry 4.0 2020 ,		8
40	Towards Assembly 4.0: Graduation Intelligent Manufacturing System for Fixed-position Assembly Islands. <i>IFAC-PapersOnLine</i> , 2019 , 52, 1513-1518	0.7	8
39	Logistics sustainability practices: an IoT-enabled smart indoor parking system for industrial hazardous chemical vehicles. <i>International Journal of Production Research</i> , 2020 , 58, 7490-7506	7.8	7
38	Robot-enabled execution system for perishables auction logistics. <i>Industrial Management and Data Systems</i> , 2017 , 117, 1954-1971	3.6	7
37	A two-level genetic algorithm for scheduling in assembly islands with fixed-position layouts. <i>Journal of Systems Science and Systems Engineering</i> , 2010 , 19, 150-161	1.2	7

36	An IoT-enabled Real-time Logistics System for A Third Party Company: A Case Study. <i>Procedia Manufacturing</i> , 2020 , 49, 16-23	1.5	7
35	Internet-of-Things-Enabled Smart Production Logistics Execution System Based on Cloud Manufacturing 2014 ,		6
34	Task-driven e-manufacturing resource configurable model. <i>Journal of Intelligent Manufacturing</i> , 2012 , 23, 1681-1694	6.7	6
33	Synchronization-oriented reconfiguration of FPAI under graduation intelligent manufacturing system in the COVID-19 pandemic and beyond. <i>Journal of Manufacturing Systems</i> , 2021 , 60, 893-902	9.1	6
32	Production-intralogistics synchronization of industry 4.0 flexible assembly lines under graduation intelligent manufacturing system. <i>International Journal of Production Economics</i> , 2021 , 241, 108272	9.3	6
31	Mining Standard Operation Times for Real-time Advanced Production Planning and Scheduling from RFID-enabled Shopfloor Data. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2013 , 46, 1950-1955		5
30	Digital twin-enabled smart modular integrated construction system for on-site assembly. <i>Computers in Industry</i> , 2022 , 136, 103594	11.6	5
29	Agent-based Workflow Management for RFID-enabled Real-time Reconfigurable Manufacturing 2009 , 341-364		5
28	Reconfigurable Auto-ID Enabled Software as a Service (SaaS) Shell for Real-Time Fleet Management in Industrial Parks. <i>Journal of Computing in Civil Engineering</i> , 2015 , 29, 04014032	5	4
27	RFID-enabled complex event processing application framework for manufacturing. <i>International Journal of Services Operations and Informatics</i> , 2011 , 6, 30	1.1	4
26	Spatial-Temporal Finite Element Analytics for Cyber-Physical System-enabled Smart Factory: Application in Hybrid Flow Shop. <i>Procedia Manufacturing</i> , 2020 , 51, 1229-1236	1.5	4
25	Buffer space hedging enabled production time variation coordination in prefabricated construction. <i>Computers and Industrial Engineering</i> , 2019 , 137, 106082	6.4	3
24	Cloud Asset-enabled Prefabrication Transportation Service for public housing production in Hong Kong 2015 ,		3
23	Digital-twin-based implementation framework of production service system for highly dynamic production logistics operation. <i>IET Collaborative Intelligent Manufacturing</i> , 2020 , 2, 74-80	2	3
22	Computer Vision-enabled Human-Cyber-Physical Workstations Collaboration for Reconfigurable Assembly System. <i>Procedia Manufacturing</i> , 2020 , 51, 565-570	1.5	2
21	Cloud-based product-service systems platform for household solid waste classification management. <i>IET Collaborative Intelligent Manufacturing</i> , 2020 , 2, 66-73	2	2
20	Cloud service-oriented dashboard for work cell management in RFID-enabled ubiquitous manufacturing 2013 ,		2
19	A multi-period mixed integer programming model for the problem of relocating a global manufacturing facility. <i>Journal of the Chinese Institute of Industrial Engineers</i> , 2010 , 27, 407-417		2

18	Platform Products Development and Supply Chain Configuration: An Integrated Perspective 2006 , 137-160	2	2
17	Cloud-based production logistics synchronisation service infrastructure for customised production processes. <i>IET Collaborative Intelligent Manufacturing</i> , 2020 , 2, 115-122	2	2
16	Computer Vision-enabled HCPS Assembly Workstations Swarm for Enhancing Responsiveness in Mass Customization 2020 ,		2
15	Bi-objective hybrid flow shop scheduling with common due date. <i>Operational Research</i> , 2021 , 21, 1153-1178	11.78	2
14	Spatio-temporal out-of-order execution for advanced planning and scheduling in cyber-physical factories. <i>Journal of Intelligent Manufacturing</i> , 1	6.7	2
13	Synchronization of production and delivery with time windows in fixed-position assembly islands under Graduation Intelligent Manufacturing System. <i>Robotics and Computer-Integrated Manufacturing</i> , 2022 , 73, 102236	9.2	2
12	Cloud Manufacturing-Enabled Production Logistics Service System in Industrial Park 2017 ,		1
11	Incentive Contracts on Tourism Service Quality under Asymmetric Information. <i>Journal of China Tourism Research</i> , 2015 , 11, 402-423	1.6	1
10	Spatio-temporal synchronisation for human-cyber-physical assembly workstation 4.0 systems. <i>International Journal of Production Research</i> , 1-19	7.8	1
9	imseStudio: blockchain-enabled secure digital twin platform for service manufacturing. <i>International Journal of Production Research</i> , 1-20	7.8	1
8	Cloud-Based Production Logistics Synchronization Mechanism and Method. <i>IFIP Advances in Information and Communication Technology</i> , 2015 , 452-464	0.5	1
7	Self-Organizing Material Flow Control using Smart Products: An Assessment by Simulation. <i>Journal of Industrial and Production Engineering</i> , 2021 , 38, 148-156	1	1
6	Impacts of social distancing measures on global supply chain configuration. <i>International Journal of Production Research</i> , 1-16	7.8	1
5	Operation Twins: Synchronized Production-Intralogsitics for Industry 4.0 Manufacturing. <i>IFIP Advances in Information and Communication Technology</i> , 2021 , 596-604	0.5	0
4	A Two-Level Genetic Algorithm for Scheduling in Assembly Islands with Fixed-Position Layouts. <i>Advanced Concurrent Engineering</i> , 2009 , 17-28		
3	Critical Event Processing and Its Regulatory Application. <i>Advances in Intelligent and Soft Computing</i> , 2010 , 1735-1742		
2	Analytical Target Cascading for Optimal Configuration of Production Service Systems. <i>Advances in Intelligent and Soft Computing</i> , 2010 , 1627-1646		
1	Assembly Workstation 4.0: Concept, Framework and Research Perspectives for Assembly Systems Implementation in the Industry 4.0 Era. <i>IFAC-PapersOnLine</i> , 2022 , 55, 420-426	0.7	

