George Q Huang

List of Publications by Year in Descending Order

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	Digital twin-enabled smart modular integrated construction system for on-site assembly. *Computers in Industry*, **2022**, 136, 103594	11.6	5
124	Synchronization of production and delivery with time windows in fixed-position assembly islands under Graduation Intelligent Manufacturing System. *Robotics and Computer-Integrated Manufacturing*, **2022**, 73, 102236	9.2	2
123	Assembly Workstation 4.0: Concept, Framework and Research Perspectives for Assembly Systems Implementation in the Industry 4.0 Era. *IFAC-PapersOnLine*, **2022**, 55, 420-426	0.7	
122	Blockchain-enabled cyber-physical smart modular integrated construction. *Computers in Industry*, **2021**, 133, 103553	11.6	10
121	Digital interoperability in logistics and supply chain management: state-of-the-art and research avenues towards Physical Internet. *Computers in Industry*, **2021**, 128, 103435	11.6	15
120	Bi-objective hybrid flow shop scheduling with common due date. *Operational Research*, **2021**, 21, 1153-1178	1.7	2
119	Log-flock: A blockchain-enabled platform for digital asset valuation and risk assessment in E-commerce logistics financing. *Computers and Industrial Engineering*, **2021**, 151, 107001	6.4	16
118	Operation Twins: Synchronized Production-Intralogistics for Industry 4.0 Manufacturing. *IFIP Advances in Information and Communication Technology*, **2021**, 596-604	0.5	0
117	Self-Organizing Material Flow Control using Smart Products: An Assessment by Simulation. *Journal of Industrial and Production Engineering*, **2021**, 38, 148-156	1	1
116	Synchronization-oriented reconfiguration of FPAI under graduation intelligent manufacturing system in the COVID-19 pandemic and beyond. *Journal of Manufacturing Systems*, **2021**, 60, 893-902	9.1	6
115	Industrial Blockchain: A state-of-the-art Survey. *Robotics and Computer-Integrated Manufacturing*, **2021**, 70, 102124	9.2	15
114	Synchroperation in industry 4.0 manufacturing. *International Journal of Production Economics*, **2021**, 238, 108171	9.3	20
113	Production-intralogistics synchronization of industry 4.0 flexible assembly lines under graduation intelligent manufacturing system. *International Journal of Production Economics*, **2021**, 241, 108272	9.3	6
112	Blockchain-based smart tracking and tracing platform for drug supply chain. *Computers and Industrial Engineering*, **2021**, 161, 107669	6.4	14
111	Computer Vision-enabled Human-Cyber-Physical Workstations Collaboration for Reconfigurable Assembly System. *Procedia Manufacturing*, **2020**, 51, 565-570	1.5	2
110	A sustainable production capability evaluation mechanism based on blockchain, LSTM, analytic hierarchy process for supply chain network. *International Journal of Production Research*, **2020**, 58, 7399-7419	7.8	27
109	Cloud-based product-service systems platform for household solid waste classification management. *IET Collaborative Intelligent Manufacturing*, **2020**, 2, 66-73	2	2

108	Towards Zero-Warehousing Smart Manufacturing from Zero-Inventory Just-In-Time production. *Robotics and Computer-Integrated Manufacturing*, **2020**, 64, 101932	9.2	24
107	IoT edge computing-enabled collaborative tracking system for manufacturing resources in industrial park. *Advanced Engineering Informatics*, **2020**, 43, 101044	7.4	35
106	Logistics sustainability practices: an IoT-enabled smart indoor parking system for industrial hazardous chemical vehicles. *International Journal of Production Research*, **2020**, 58, 7490-7506	7.8	7
105	Digital-twin-based implementation framework of production service system for highly dynamic production logistics operation. *IET Collaborative Intelligent Manufacturing*, **2020**, 2, 74-80	2	3
104	Cloud-based production logistics synchronisation service infrastructure for customised production processes. *IET Collaborative Intelligent Manufacturing*, **2020**, 2, 115-122	2	2
103	A roadmap for Assembly 4.0: self-configuration of fixed-position assembly islands under Graduation Intelligent Manufacturing System. *International Journal of Production Research*, **2020**, 58, 4631-4646	7.8	17
102	Blockchain-based ubiquitous manufacturing: a secure and reliable cyber-physical system. *International Journal of Production Research*, **2020**, 58, 2200-2221	7.8	45
101	Cyber physical ecommerce logistics system: An implementation case in Hong Kong. *Computers and Industrial Engineering*, **2020**, 139, 106170	6.4	21
100	Digital twin-enabled Graduation Intelligent Manufacturing System for fixed-position assembly islands. *Robotics and Computer-Integrated Manufacturing*, **2020**, 63, 101917	9.2	43
99	Industrial blockchain based framework for product lifecycle management in industry 4.0. *Robotics and Computer-Integrated Manufacturing*, **2020**, 63, 101897	9.2	72
98	Digital twin-based opti-state control method for a synchronized production operation system. *Robotics and Computer-Integrated Manufacturing*, **2020**, 63, 101892	9.2	30
97	Spatial-Temporal Finite Element Analytics for Cyber-Physical System-enabled Smart Factory: Application in Hybrid Flow Shop. *Procedia Manufacturing*, **2020**, 51, 1229-1236	1.5	4
96	An IoT-enabled Real-time Logistics System for A Third Party Company: A Case Study. *Procedia Manufacturing*, **2020**, 49, 16-23	1.5	7
95	A framework for personalized production based on digital twin, blockchain and additive manufacturing in the context of Industry 4.0 **2020**,		8
94	Computer Vision-enabled HCPS Assembly Workstations Swarm for Enhancing Responsiveness in Mass Customization **2020**,		2
93	A systematic review of China's belt and road initiative: implications for global supply chain management. *International Journal of Production Research*, **2020**, 58, 2436-2453	7.8	32
92	Blockchain-enabled logistics finance execution platform for capital-constrained E-commerce retail. *Robotics and Computer-Integrated Manufacturing*, **2020**, 65, 101962	9.2	40
91	An Internet of Things-enabled BIM platform for modular integrated construction: A case study in Hong Kong. *Advanced Engineering Informatics*, **2019**, 42, 100997	7.4	57

90	Production service system enabled by cloud-based smart resource hierarchy for a highly dynamic synchronized production process. *Advanced Engineering Informatics*, **2019**, 42, 100995	7.4	9
89	Buffer space hedging enabled production time variation coordination in prefabricated construction. *Computers and Industrial Engineering*, **2019**, 137, 106082	6.4	3
88	Cloud-based mobile gateway operation system for industrial wearables. *Robotics and Computer-Integrated Manufacturing*, **2019**, 58, 43-54	9.2	24
87	Towards Assembly 4.0: Graduation Intelligent Manufacturing System for Fixed-position Assembly Islands. *IFAC-PapersOnLine*, **2019**, 52, 1513-1518	0.7	8
86	IoT-enabled dynamic lean control mechanism for typical production systems. *Journal of Ambient Intelligence and Humanized Computing*, **2019**, 10, 1009-1023	3.7	21
85	CKshare: secured cloud-based knowledge-sharing blockchain for injection mold redesign. *Enterprise Information Systems*, **2019**, 13, 1-33	3.5	39
84	Cloud-based fleet management for prefabrication transportation. *Enterprise Information Systems*, **2019**, 13, 87-106	3.5	30
83	Distributed and collaborative proactive tandem location tracking of vehicle products for warehouse operations. *Computers and Industrial Engineering*, **2018**, 125, 637-648	6.4	18
82	Toward a blockchain cloud manufacturing system as a peer to peer distributed network platform. *Robotics and Computer-Integrated Manufacturing*, **2018**, 54, 133-144	9.2	163
81	Synchronisation for smart factory - towards IoT-enabled mechanisms. *International Journal of Computer Integrated Manufacturing*, **2018**, 31, 624-635	4.3	29
80	Big Data Analytics for Physical Internet-based intelligent manufacturing shop floors. *International Journal of Production Research*, **2017**, 55, 2610-2621	7.8	235
79	System dynamics analysis for an Internet-of-Things-enabled production logistics system. *International Journal of Production Research*, **2017**, 55, 2622-2649	7.8	62
78	Prefabricated construction enabled by the Internet-of-Things. *Automation in Construction*, **2017**, 76, 59-70	10.6	183
77	Towards product customization and personalization in IoT-enabled cloud manufacturing. *Cluster Computing*, **2017**, 20, 1717-1730	2.1	64
76	Internet of Things-based real-time production logistics synchronization mechanism and method toward customer order dynamics. *Transactions of the Institute of Measurement and Control*, **2017**, 39, 429-445	1.8	15
75	Cloud Manufacturing-Enabled Production Logistics Service System in Industrial Park **2017**,		1
74	Robot-enabled execution system for perishables auction logistics. *Industrial Management and Data Systems*, **2017**, 117, 1954-1971	3.6	7
73	Visualization of RFID-enabled shopfloor logistics Big Data in Cloud Manufacturing. *International Journal of Advanced Manufacturing Technology*, **2016**, 84, 5-16	3.2	140

72	IoT-based real-time production logistics synchronization system under smart cloud manufacturing. *International Journal of Advanced Manufacturing Technology*, **2016**, 84, 147-164	3.2	221
71	E-commerce Logistics in Supply Chain Management: Practice Perspective. *Procedia CIRP*, **2016**, 52, 179-185	8.3	74
70	Big Data for supply chain management in the service and manufacturing sectors: Challenges, opportunities, and future perspectives. *Computers and Industrial Engineering*, **2016**, 101, 572-591	6.4	297
69	A MPN-based scheduling model for IoT-enabled hybrid flow shop manufacturing. *Advanced Engineering Informatics*, **2016**, 30, 728-736	7.4	32
68	A big data approach for logistics trajectory discovery from RFID-enabled production data. *International Journal of Production Economics*, **2015**, 165, 260-272	9.3	286
67	Synchronisation of production scheduling and shipment in an assembly flowshop. *International Journal of Production Research*, **2015**, 53, 2787-2802	7.8	39
66	Reconfigurable Auto-ID Enabled Software as a Service (SaaS) Shell for Real-Time Fleet Management in Industrial Parks. *Journal of Computing in Civil Engineering*, **2015**, 29, 04014032	5	4
65	Bridging BIM and building: From a literature review to an integrated conceptual framework. *International Journal of Project Management*, **2015**, 33, 1405-1416	7.6	125
64	An investigation on minimizing cycle time and total energy consumption in robotic assembly line systems. *Journal of Cleaner Production*, **2015**, 90, 311-325	10.3	80
63	Real-time scheduling for hybrid flowshop in ubiquitous manufacturing environment. *Computers and Industrial Engineering*, **2015**, 84, 12-23	6.4	34
62	Data-source interoperability service for heterogeneous information integration in ubiquitous enterprises. *Advanced Engineering Informatics*, **2015**, 29, 549-561	7.4	26
61	Cloud Asset-enabled Prefabrication Transportation Service for public housing production in Hong Kong **2015**,		3
60	Towards Physical Internet-enabled Prefabricated Housing Construction in Hong Kong. *IFAC-PapersOnLine*, **2015**, 48, 1079-1086	0.7	20
59	Incentive Contracts on Tourism Service Quality under Asymmetric Information. *Journal of China Tourism Research*, **2015**, 11, 402-423	1.6	1
58	A two-level advanced production planning and scheduling model for RFID-enabled ubiquitous manufacturing. *Advanced Engineering Informatics*, **2015**, 29, 799-812	7.4	82
57	Optimal configuration of cluster supply chains with augmented Lagrange coordination. *Computers and Industrial Engineering*, **2015**, 84, 43-55	6.4	25
56	Cloud-enabled real-time platform for adaptive planning and control in auction logistics center. *Computers and Industrial Engineering*, **2015**, 84, 79-90	6.4	40
55	Cloud-Based Production Logistics Synchronization Mechanism and Method. *IFIP Advances in Information and Communication Technology*, **2015**, 452-464	0.5	1

54	Multi-agent based real-time production scheduling method for radio frequency identification enabled ubiquitous shopfloor environment. *Computers and Industrial Engineering*, **2014**, 76, 89-97	6.4	68
53	Internet-of-Things-Enabled Smart Production Logistics Execution System Based on Cloud Manufacturing **2014**,		6
52	Port strategy in the era of supply chain management: the case of Hong Kong. *Maritime Policy and Management*, **2014**, 41, 367-383	2.5	28
51	Mining SOTs and dispatching rules from RFID-enabled real-time shopfloor production data. *Journal of Intelligent Manufacturing*, **2014**, 25, 825-843	6.7	61
50	A supply chain configuration model for reassessing global manufacturing in China. *Journal of Manufacturing Technology Management*, **2013**, 24, 669-687	7.1	19
49	Cloud service-oriented dashboard for work cell management in RFID-enabled ubiquitous manufacturing **2013**,		2
48	RFID-enabled real-time manufacturing execution system for mass-customization production. *Robotics and Computer-Integrated Manufacturing*, **2013**, 29, 283-292	9.2	320
47	Hybrid flow shop scheduling considering machine electricity consumption cost. *International Journal of Production Economics*, **2013**, 146, 423-439	9.3	236
46	RFID-enabled real-time advanced planning and scheduling shell for production decision making. *International Journal of Computer Integrated Manufacturing*, **2013**, 26, 649-662	4.3	70
45	Event-driven multi-agent ubiquitous manufacturing execution platform for shop floor work-in-progress management. *International Journal of Production Research*, **2013**, 51, 1168-1185	7.8	39
44	Mining Standard Operation Times for Real-time Advanced Production Planning and Scheduling from RFID-enabled Shopfloor Data. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2013**, 46, 1950-1955		5
43	Real-Time Work-in-Progress Management for Ubiquitous Manufacturing Environment. *Springer Series in Advanced Manufacturing*, **2013**, 193-216	0.9	9
42	Task-driven e-manufacturing resource configurable model. *Journal of Intelligent Manufacturing*, **2012**, 23, 1681-1694	6.7	6
41	A case of implementing RFID-based real-time shop-floor material management for household electrical appliance manufacturers. *Journal of Intelligent Manufacturing*, **2012**, 23, 2343-2356	6.7	68
40	Radio frequency identification-enabled real-time manufacturing execution system: a case study in an automotive part manufacturer. *International Journal of Computer Integrated Manufacturing*, **2012**, 25, 51-65	4.3	85
39	RFID-enabled product-service system for automotive part and accessory manufacturing alliances. *International Journal of Production Research*, **2012**, 50, 3821-3840	7.8	44
38	A Comparative Study of Tourism Supply Chains with Quantity Competition. *Journal of Travel Research*, **2012**, 51, 717-729	6.3	24
37	Agent-based Smart Gateway for RFID-enabled real-time wireless manufacturing. *International Journal of Production Research*, **2011**, 49, 1337-1352	7.8	76

36	RFID-enabled complex event processing application framework for manufacturing. *International Journal of Services Operations and Informatics*, **2011**, 6, 30	1.1	4
35	RFID-enabled gateway product service system for collaborative manufacturing alliances. *CIRP Annals - Manufacturing Technology*, **2011**, 60, 465-468	4.9	31
34	Hybrid flowshop scheduling with batch-discrete processors and machine maintenance in time windows. *International Journal of Production Research*, **2011**, 49, 1575-1603	7.8	26
33	Real-time work-in-progress management for smart object-enabled ubiquitous shop-floor environment. *International Journal of Computer Integrated Manufacturing*, **2011**, 24, 431-445	4.3	44
32	Scenarios for applying RFID technology in construction project management. *Automation in Construction*, **2011**, 20, 101-106	9.6	142
31	Agent-based smart objects management system for real-time ubiquitous manufacturing. *Robotics and Computer-Integrated Manufacturing*, **2011**, 27, 538-549	9.2	64
30	A multi-period mixed integer programming model for the problem of relocating a global manufacturing facility. *Journal of the Chinese Institute of Industrial Engineers*, **2010**, 27, 407-417		2
29	Optimal configuration of assembly supply chains using analytical target cascading. *International Journal of Production Research*, **2010**, 48, 6883-6907	7.8	27
28	Agent-based workflow management for RFID-enabled real-time reconfigurable manufacturing. *International Journal of Computer Integrated Manufacturing*, **2010**, 23, 101-112	4.3	68
27	A comparative analysis of quantity and price competitions in tourism supply chain networks for package holidays. *Service Industries Journal*, **2010**, 30, 1593-1606	5.7	27
26	Simultaneous configuration of platform products and manufacturing supply chains: comparative investigation into impacts of different supply chain coordination schemes. *Production Planning and Control*, **2010**, 21, 609-627	4.3	17
25	Game-Theoretic Approach to Tourism Supply Chain Coordination Under Demand Uncertainty For Package Holidays. *Tourism Analysis*, **2010**, 15, 287-298	1.6	10
24	A two-level genetic algorithm for scheduling in assembly islands with fixed-position layouts. *Journal of Systems Science and Systems Engineering*, **2010**, 19, 150-161	1.2	7
23	A generic analytical target cascading optimization system for decentralized supply chain configuration over supply chain grid. *International Journal of Production Economics*, **2010**, 127, 262-277	9.3	24
22	Game-theoretic approach to simultaneous configuration of platform products and supply chains with one manufacturing firm and multiple cooperative suppliers. *International Journal of Production Economics*, **2010**, 124, 121-136	9.3	47
21	Nash game model for optimizing market strategies, configuration of platform products in a Vendor Managed Inventory (VMI) supply chain for a product family. *European Journal of Operational Research*, **2010**, 206, 361-373	5.6	65
20	Critical Event Processing and Its Regulatory Application. *Advances in Intelligent and Soft Computing*, **2010**, 1735-1742		
19	Analytical Target Cascading for Optimal Configuration of Production Service Systems. *Advances in Intelligent and Soft Computing*, **2010**, 1627-1646		

18	Extending analytical target cascading for optimal supply chain network configuration of a product family. *International Journal of Computer Integrated Manufacturing*, **2009**, 22, 1012-1023	4.3	21
17	Tourism supply chain management: A new research agenda. *Tourism Management*, **2009**, 30, 345-358	10.8	268
16	Agent-based Workflow Management for RFID-enabled Real-time Reconfigurable Manufacturing **2009**, 341-364		5
15	A Two-Level Genetic Algorithm for Scheduling in Assembly Islands with Fixed-Position Layouts. *Advanced Concurrent Engineering*, **2009**, 17-28		
14	Simultaneous configuration of platform products and manufacturing supply chains. *International Journal of Production Research*, **2008**, 46, 6137-6162	7.8	63
13	A Game-Theoretic Approach to Choice of Profit and Revenue Maximization Strategies in Tourism Supply Chains for Package Holidays. *Journal of China Tourism Research*, **2008**, 4, 45-60	1.6	17
12	RFID-enabled real-time wireless manufacturing for adaptive assembly planning and control. *Journal of Intelligent Manufacturing*, **2008**, 19, 701-713	6.7	115
11	RFID-based wireless manufacturing for real-time management of job shop WIP inventories. *International Journal of Advanced Manufacturing Technology*, **2008**, 36, 752-764	3.2	147
10	Extending analytical target cascading for optimal configuration of supply chains with alternative autonomous suppliers. *International Journal of Production Economics*, **2008**, 115, 39-54	9.3	30
9	RFID-based wireless manufacturing for walking-worker assembly islands with fixed-position layouts. *Robotics and Computer-Integrated Manufacturing*, **2007**, 23, 469-477	9.2	171
8	Platform Products Development and Supply Chain Configuration: An Integrated Perspective **2006**, 137-160		2
7	Towards integrated optimal configuration of platform products, manufacturing processes, and supply chains. *Journal of Operations Management*, **2005**, 23, 267-290	5.2	164
6	Impact of information sharing on inventory replenishment in divergent supply chains. *International Journal of Production Research*, **2004**, 42, 919-941	7.8	93
5	The impacts of sharing production information on supply chain dynamics: A review of the literature. *International Journal of Production Research*, **2003**, 41, 1483-1517	7.8	300
4	Spatio-temporal synchronisation for human-cyber-physical assembly workstation 4.0 systems. *International Journal of Production Research*, 1-19	7.8	1
3	imseStudio: blockchain-enabled secure digital twin platform for service manufacturing. *International Journal of Production Research*, 1-20	7.8	1
2	SpatialTemporal out-of-order execution for advanced planning and scheduling in cyber-physical factories. *Journal of Intelligent Manufacturing*, 1	6.7	2
1	Impacts of social distancing measures on global supply chain configuration. *International Journal of Production Research*, 1-16	7.8	1