

Hing Kai Chan

List of Publications by Year in descending order

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132
papers

7,812
citations

50276

46
h-index

56724

83
g-index

143
all docs

143
docs citations

143
times ranked

6028
citing authors

#	ARTICLE	IF	CITATIONS
1	The influence of greening the suppliers and green innovation on environmental performance and competitive advantage in Taiwan. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2011, 47, 822-836.	7.4	845
2	Environmental orientation and corporate performance: The mediation mechanism of green supply chain management and moderating effect of competitive intensity. <i>Industrial Marketing Management</i> , 2012, 41, 621-630.	6.7	387
3	The moderating effect of environmental dynamism on green product innovation and performance. <i>International Journal of Production Economics</i> , 2016, 181, 384-391.	8.9	286
4	An empirical investigation of green purchase behaviour among the young generation. <i>Journal of Cleaner Production</i> , 2014, 66, 528-536.	9.3	284
5	Implementation of total productive maintenance: A case study. <i>International Journal of Production Economics</i> , 2005, 95, 71-94.	8.9	276
6	A two-stage fuzzy-AHP model for risk assessment of implementing green initiatives in the fashion supply chain. <i>International Journal of Production Economics</i> , 2012, 135, 595-606.	8.9	253
7	Recent Development in Big Data Analytics for Business Operations and Risk Management. <i>IEEE Transactions on Cybernetics</i> , 2017, 47, 81-92.	9.5	177
8	Manufacturer and retailer coordination for environmental and economic competitiveness: A power perspective. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2017, 97, 268-281.	7.4	177
9	Green marketing and its impact on supply chain management in industrial markets. <i>Industrial Marketing Management</i> , 2012, 41, 557-562.	6.7	175
10	Don't forget your supplier when remanufacturing. <i>European Journal of Operational Research</i> , 2013, 230, 15-25.	5.7	145
11	The impact of 3D Printing Technology on the supply chain: Manufacturing and legal perspectives. <i>International Journal of Production Economics</i> , 2018, 205, 156-162.	8.9	142
12	An AHP model for selection of suppliers in the fast changing fashion market. <i>International Journal of Advanced Manufacturing Technology</i> , 2010, 51, 1195-1207.	3.0	129
13	Improving the productivity of order picking of a manual-pick and multi-level rack distribution warehouse through the implementation of class-based storage. <i>Expert Systems With Applications</i> , 2011, 38, 2686-2700.	7.6	129
14	A hierarchical fuzzy TOPSIS approach to assess improvement areas when implementing green supply chain initiatives. <i>International Journal of Production Research</i> , 2013, 51, 3117-3130.	7.5	115
15	Swarm intelligence applied in green logistics: A literature review. <i>Engineering Applications of Artificial Intelligence</i> , 2015, 37, 154-169.	8.1	115
16	Environmental Impacts of Infrastructure Development under the Belt and Road Initiative. <i>Environments - MDPI</i> , 2019, 6, 72.	3.3	109
17	Forecasting the demand of the aviation industry using hybrid time series SARIMA-SVR approach. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2019, 122, 169-180.	7.4	109
18	A comprehensive survey and future trend of simulation study on FMS scheduling. <i>Journal of Intelligent Manufacturing</i> , 2004, 15, 87-102.	7.3	108

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19	The role of social media in enhancing guanxi and perceived effectiveness of E-commerce institutional mechanisms in online marketplace. <i>Information and Management</i> , 2018, 55, 621-632.	6.5	106
20	Comparative study of adaptability and flexibility in distributed manufacturing supply chains. <i>Decision Support Systems</i> , 2010, 48, 331-341.	5.9	103
21	When should fuzzy analytic hierarchy process be used instead of analytic hierarchy process?. <i>Decision Support Systems</i> , 2019, 125, 113114.	5.9	103
22	A review of coordination studies in the context of supply chain dynamics. <i>International Journal of Production Research</i> , 2010, 48, 2793-2819.	7.5	101
23	Exploring critical factors of green business failure based on Grey-Decision Making Trial and Evaluation Laboratory (DEMATEL). <i>Journal of Business Research</i> , 2019, 98, 450-461.	10.2	100
24	A Mixed-Method Approach to Extracting the Value of Social Media Data. <i>Production and Operations Management</i> , 2016, 25, 568-583.	3.8	92
25	Decision-making in cold chain logistics using data analytics: a literature review. <i>International Journal of Logistics Management</i> , 2018, 29, 839-861.	6.6	92
26	Effect of information sharing in supply chains with flexibility. <i>International Journal of Production Research</i> , 2009, 47, 213-232.	7.5	91
27	A decision support system for supplier selection in the airline industry. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2007, 221, 741-758.	2.4	89
28	An Extended Fuzzy-AHP Approach for the Evaluation of Green Product Designs. <i>IEEE Transactions on Engineering Management</i> , 2013, 60, 327-339.	3.5	85
29	A modified genetic algorithm approach for scheduling of perfect maintenance in distributed production scheduling. <i>Engineering Applications of Artificial Intelligence</i> , 2009, 22, 1005-1014.	8.1	81
30	A survey on reverse logistics system of mobile phone industry in Hong Kong. <i>Management Decision</i> , 2008, 46, 702-708.	3.9	77
31	A framework of reverse logistics for the automobile industry. <i>International Journal of Production Research</i> , 2012, 50, 1318-1331.	7.5	76
32	Examining moderating effect of organizational culture on the relationship between market pressure and corporate environmental strategy. <i>Industrial Marketing Management</i> , 2018, 74, 227-236.	6.7	76
33	Implementing just-in-time philosophy to reverse logistics systems: a review. <i>International Journal of Production Research</i> , 2010, 48, 6293-6313.	7.5	75
34	Impact of the dual-credit policy on improvements in fuel economy and the production of internal combustion engine vehicles. <i>Resources, Conservation and Recycling</i> , 2020, 156, 104712.	10.8	69
35	Virtual organization for supply chain integration: Two cases in the textile and fashion retailing industry. <i>International Journal of Production Economics</i> , 2010, 127, 333-342.	8.9	65
36	The State of the Art in Simulation Study on FMS Scheduling: A Comprehensive Survey. <i>International Journal of Advanced Manufacturing Technology</i> , 2002, 19, 830-849.	3.0	64

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37	A life-cycle assessment for eco-redesign of a consumer electronic product. <i>Journal of Engineering Design</i> , 2011, 22, 69-85.	2.3	64
38	A case study of an integrated fuzzy methodology for green product development. <i>European Journal of Operational Research</i> , 2015, 241, 212-223.	5.7	61
39	An integrated approach for green design: Life-cycle, fuzzy AHP and environmental management accounting. <i>British Accounting Review</i> , 2014, 46, 344-360.	3.9	58
40	The future trend on system-wide modelling in supply chain studies. <i>International Journal of Advanced Manufacturing Technology</i> , 2005, 25, 820-832.	3.0	56
41	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.	7.5	55
42	A pro-active and collaborative approach to reverse logistics—a case study. <i>Production Planning and Control</i> , 2007, 18, 350-360.	8.8	52
43	Analysis of dynamic dispatching rules for a flexible manufacturing system. <i>Journal of Materials Processing Technology</i> , 2003, 138, 325-331.	6.3	50
44	Supplier integration and firm performance: the moderating effects of internal integration and trust. <i>Production Planning and Control</i> , 2018, 29, 802-813.	8.8	50
45	A review of performance measurement systems for supply chain management. <i>International Journal of Business Performance Management</i> , 2006, 8, 110.	0.3	49
46	Aligning business process reengineering in implementing global supply chain systems by the SCOR model. <i>International Journal of Production Research</i> , 2010, 48, 5647-5669.	7.5	49
47	Examining Green Supply Chain Management and Financial Performance: Roles of Social Control and Environmental Dynamism. <i>IEEE Transactions on Engineering Management</i> , 2019, 66, 20-34.	3.5	49
48	A systematic approach to manufacturing packaging logistics. <i>International Journal of Advanced Manufacturing Technology</i> , 2006, 29, 1088-1101.	3.0	47
49	Flexibility and adaptability in supply chains: a lesson learnt from a practitioner. <i>Supply Chain Management</i> , 2009, 14, 407-410.	6.4	45
50	Cascading Delay Risk of Airline Workforce Deployments with Crew Pairing and Schedule Optimization. <i>Risk Analysis</i> , 2017, 37, 1443-1458.	2.7	45
51	A simulation study with quantity flexibility in a supply chain subjected to uncertainties. <i>International Journal of Computer Integrated Manufacturing</i> , 2006, 19, 148-160.	4.6	44
52	Entropy assessment of supply chain disruption. <i>Journal of Manufacturing Technology Management</i> , 2012, 23, 998-1014.	6.4	44
53	Conventional automotive supply chains under China's dual-credit policy: fuel economy, production and coordination. <i>Energy Policy</i> , 2021, 151, 112166.	8.8	44
54	A multi-group analysis of social media engagement and loyalty constructs between full-service and low-cost carriers in Hong Kong. <i>Journal of Air Transport Management</i> , 2018, 73, 46-57.	4.5	43

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55	A Two-Level Genetic Algorithm to Determine Production Frequencies for Economic Lot Scheduling Problem. IEEE Transactions on Industrial Electronics, 2012, 59, 611-619.	7.9	41
56	Real time fuzzy scheduling rules in FMS. Journal of Intelligent Manufacturing, 2003, 14, 341-350.	7.3	37
57	The role of social media data in operations and production management. International Journal of Production Research, 2017, 55, 5027-5036.	7.5	36
58	The adoption of open platform for container bookings in the maritime supply chain. Transportation Research, Part E: Logistics and Transportation Review, 2020, 141, 102019.	7.4	36
59	Construction and empirical research on acceptance model of service robots applied in hotel industry. Industrial Management and Data Systems, 2021, 121, 1325-1352.	3.7	36
60	Analysis of dynamic control strategies of an FMS under different scenarios. Robotics and Computer-Integrated Manufacturing, 2004, 20, 423-437.	9.9	34
61	Technological advancements and B2B international trade: A bibliometric analysis and review of industrial marketing research. Industrial Marketing Management, 2020, 88, 1-11.	6.7	33
62	An integrated fuzzy approach for the selection of manufacturing technologies. International Journal of Advanced Manufacturing Technology, 2006, 27, 747-758.	3.0	30
63	Channel coordination through subsidy contract design in the mobile phone industry. International Journal of Production Economics, 2016, 171, 97-104.	8.9	30
64	Design of a PCB plant with expert system and simulation approach. Expert Systems With Applications, 2005, 28, 409-423.	7.6	26
65	A comprehensive decision support model for the evaluation of eco-designs. Journal of the Operational Research Society, 2014, 65, 917-934.	3.4	26
66	Using online reviews to explore consumer purchasing behaviour in different cultural settings. Kybernetes, 2019, 48, 1242-1263.	2.2	26
67	A comparison of time series methods for forecasting container throughput. International Journal of Logistics Research and Applications, 2019, 22, 294-303.	8.8	26
68	The effects of inter- and intraorganizational factors on the adoption of electronic booking systems in the maritime supply chain. International Journal of Production Economics, 2021, 236, 108119.	8.9	25
69	Dynamic Scheduling for a Flexible Manufacturing System - The Pre-emptive Approach. International Journal of Advanced Manufacturing Technology, 2001, 17, 760-768.	3.0	24
70	Life cycle assessment of two personal electronic products—a note with respect to the energy-using product directive. International Journal of Advanced Manufacturing Technology, 2009, 42, 415-419.	3.0	24
71	Unpacking the impact of social media analytics on customer satisfaction: do external stakeholder characteristics matter?. International Journal of Operations and Production Management, 2020, 40, 647-669.	5.9	24
72	RFID-based colored Petri net applied for quality monitoring in manufacturing system. International Journal of Advanced Manufacturing Technology, 2012, 60, 225-236.	3.0	23

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73	Priority-Based Distributed Manufacturing Process Modeling via Hierarchical Timed Color Petri Net. IEEE Transactions on Industrial Informatics, 2013, 9, 1836-1846.	11.3	23
74	Recent research trend of economic lot scheduling problems. Journal of Manufacturing Technology Management, 2013, 24, 465-482.	6.4	23
75	A Fuzzy Multi-Criteria Decision-Making Technique for Evaluation of Scheduling Rules. International Journal of Advanced Manufacturing Technology, 2002, 20, 103-113.	3.0	22
76	Early Order Completion Contract Approach to Minimize the Impact of Demand Uncertainty on Supply Chains. IEEE Transactions on Industrial Informatics, 2006, 2, 48-58.	11.3	21
77	Agent-Based Factory Level Wireless Local Positioning System With ZigBee Technology. IEEE Systems Journal, 2010, 4, 179-185.	4.6	21
78	Implementation of ERP of the Australian manufacturing companies. Industrial Management and Data Systems, 2011, 111, 132-145.	3.7	21
79	A modified genetic algorithm for maximizing handling reliability and recyclability of distribution centers. Expert Systems With Applications, 2013, 40, 7588-7595.	7.6	20
80	Guest Editorial Big Data Analytics: Risk and Operations Management for Industrial Applications. IEEE Transactions on Industrial Informatics, 2016, 12, 1214-1218.	11.3	20
81	Fuzzy Hierarchical Model for Risk Assessment. , 2013, , .		19
82	Measuring business sustainability in food service operations: a case study in the fast food industry. Benchmarking, 2017, 24, 1037-1051.	4.6	19
83	An integrated model for berth and yard planning in container terminals with multi-continuous berth layout. Annals of Operations Research, 2019, 273, 409-431.	4.1	19
84	The diverse impact of heterogeneous customer characteristics on supply chain finance: Empirical evidence from Chinese factoring. International Journal of Production Economics, 2022, 243, 108321.	8.9	19
85	Supply Chain Systemsâ€™ Recent Trend in Research and Applications. IEEE Systems Journal, 2011, 5, 2-5.	4.6	18
86	Optimisation approaches for distributed scheduling problems. International Journal of Production Research, 2013, 51, 2571-2577.	7.5	18
87	Green process and product design in practice. Procedia, Social and Behavioral Sciences, 2011, 25, 398-402.	0.5	17
88	Eco-redesign of a personal electronic product subject to the energy-using product directive. International Journal of Production Research, 2012, 50, 1411-1423.	7.5	17
89	An ANN-based approach of interpreting user-generated comments from social media. Applied Soft Computing Journal, 2017, 52, 1169-1180.	7.2	17
90	Maximizing recyclability and reuse of tertiary packaging in production and distribution network. Resources, Conservation and Recycling, 2018, 128, 259-266.	10.8	17

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91	In-depth study of "decoupling point"™ as a reference model: an application for health service supply chain. <i>Production Planning and Control</i> , 2014, 25, 1107-1117.	8.8	16
92	An integrated fuzzy approach for evaluating remanufacturing alternatives of a product design. <i>Journal of Remanufacturing</i> , 2013, 3, 1.	2.7	15
93	Systematic literature review of reverse logistics for e-waste: overview, analysis, and future research agenda. <i>International Journal of Logistics Research and Applications</i> , 2023, 26, 843-871.	8.8	15
94	An environmental assessment framework with respect to the Requirements of Energy-using Products Directive. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2008, 222, 643-651.	2.4	13
95	The effect of responsiveness of the control-decision system to the performance of FMS. <i>Computers and Industrial Engineering</i> , 2014, 72, 32-42.	6.3	13
96	A HIERARCHICAL MODEL FOR ECO-DESIGN OF CONSUMER ELECTRONIC PRODUCTS. <i>Technological and Economic Development of Economy</i> , 2017, 21, 48-64.	4.6	13
97	Performance analysis of clustering methods for balanced multi-robot task allocations. <i>International Journal of Production Research</i> , 2022, 60, 4576-4591.	7.5	13
98	Facilitating the Merger of Multinational Companies. <i>Journal of Global Information Management</i> , 2013, 21, 42-58.	2.8	12
99	Tackling uncertainties in aircraft maintenance routing: A review of emerging technologies. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2022, 164, 102805.	7.4	11
100	Combining genetic approach and integer programming to solve multi-facility economic lot-scheduling problem. <i>Journal of Intelligent Manufacturing</i> , 2012, 23, 2397-2405.	7.3	10
101	Investigation of the Effect of e-Platform Information Security Breaches: A Small and Medium Enterprise Supply Chain Perspective. <i>IEEE Transactions on Engineering Management</i> , 2022, 69, 3694-3709.	3.5	10
102	Simulation Analysis of a PCB Factory using Factorial Design - A Case Study. <i>International Journal of Advanced Manufacturing Technology</i> , 2003, 21, 523-533.	3.0	9
103	IT adoption in social care: A study of the factors that mediate technology adoption. <i>Strategic Change</i> , 2018, 27, 267-279.	4.1	9
104	Enhancing hotel knowledge management: the influencing factors of online hotel reviews on travellers'™ booking intention. <i>Knowledge Management Research and Practice</i> , 2022, 20, 34-45.	4.1	9
105	Supply chain redesign implications to information disruption impact. <i>International Journal of Production Economics</i> , 2021, 232, 107939.	8.9	8
106	The impact of sanctions on buyer'supplier relationship within the Libyan oil industry. <i>International Journal of Energy Sector Management</i> , 2009, 3, 171-186.	2.3	7
107	A comparison of forecasting methods for medical device demand using trend-based clustering scheme. <i>Journal of Data Information and Management</i> , 2020, 2, 85-94.	2.7	7
108	A Low-Cost Integrated Approach for Balancing an Array of Piezoresistive Sensors for Mass Production Applications. <i>IEEE Transactions on Industrial Electronics</i> , 2008, 55, 937-940.	7.9	6

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109	A Low-Cost Voltage-to-Current Calibration Technique for Multiple-Sensor Systems. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 73-77.	4.7	6
110	Special Issue “ Applications of reference models for supply-chain integration. Production Planning and Control, 2014, 25, 1059-1064.	8.8	6
111	Supply chain planning and configuration in the global arena”A syncretic perspective. International Journal of Production Economics, 2010, 127, 211-214.	8.9	5
112	An Integrated Fuzzy Approach for Aggregative Supplier Risk Assessment. , 2013, , 45-69.		5
113	Environmental impact of two electrical products with reference to the energy-using products directive. International Journal of Sustainable Engineering, 2012, 5, 86-90.	3.5	4
114	Environmental production and productivity growth: evidence from european paper and pulp manufacturing. Annals of Operations Research, 0, , 1.	4.1	4
115	A stochastic programming model for an energy planning problem: formulation, solution method and application. Annals of Operations Research, 2022, 311, 695-730.	4.1	4
116	Resistance - something behind automated calibration. IEEE Instrumentation and Measurement Magazine, 2005, 8, 60-62.	1.6	3
117	Wireless Industrial Tracking System for Factory Automation. , 2008, , .		3
118	The performance of combinatorial priority rules in a manufacturing flow shop. European Journal of Industrial Engineering, 2012, 6, 572.	0.8	3
119	Benefits of the implementation of Supply Chain Financez,1. Annals of Operations Research, 2023, 331, 251-283.	4.1	3
120	A Process Re-Engineering Framework for Reverse Logistics Based on a Case Study. International Journal of Engineering Business Management, 2010, 2, 11.	3.7	2
121	Intelligent Port Data Management Systems to improve capability. , 2017, , .		2
122	Virtual organization for supply chain integration. , 2008, , .		1
123	Agent-oriented embedded electronic measuring systems. Communications of the ACM, 2010, 53, 157-162.	4.5	1
124	A Decision-Information-Synchronisation perspective on the performance of FMS. International Journal of Production Research, 2012, 50, 1203-1213.	7.5	1
125	Hierarchical Model in Decision Making. , 2013, , 25-43.		1
126	Big Data Analytics. Advances in Logistics, Operations, and Management Science Book Series, 2017, , 13-23.	0.4	1

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127	Policy-oriented restart of supply and demand after COVID-19: firm-level evidence for China. International Journal of Emerging Markets, 2023, 18, 4772-4786.	2.2	1
128	Flexibility or adaptability? Which one is more suitable for distributed supply chain?. , 2009, , .		0
129	Rule-Based Data Tracking Scheme to Reduce the Effects of Creeping. IEEE Sensors Journal, 2009, 9, 1192-1195.	4.7	0
130	Fuzzy AHP Approach for Analysing Risk Rating of Environmentally Friendly Product Designs. , 2013, , 71-88.		0
131	Editorial on "Smarter supply chain and big data applications". Journal of Data Information and Management, 2020, 2, 65-66.	2.7	0
132	Big Data Analytics. Advances in Logistics, Operations, and Management Science Book Series, 2017, , 1-12.	0.4	0