

King Lun Choy

List of Publications by Year in descending order

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143
papers

5,637
citations

81743

39
h-index

88477

70
g-index

143
all docs

143
docs citations

143
times ranked

4329
citing authors

#	ARTICLE	IF	CITATIONS
1	Survey of Green Vehicle Routing Problem: Past and future trends. Expert Systems With Applications, 2014, 41, 1118-1138.	4.4	680
2	Design and application of Internet of things-based warehouse management system for smart logistics. International Journal of Production Research, 2018, 56, 2753-2768.	4.9	243
3	A RFID case-based logistics resource management system for managing order-picking operations in warehouses. Expert Systems With Applications, 2009, 36, 8277-8301.	4.4	219
4	Blockchain-Driven IoT for Food Traceability With an Integrated Consensus Mechanism. IEEE Access, 2019, 7, 129000-129017.	2.6	196
5	Design of an intelligent supplier relationship management system: a hybrid case based neural network approach. Expert Systems With Applications, 2003, 24, 225-237.	4.4	136
6	A knowledge-based supplier intelligence retrieval system for outsource manufacturing. Knowledge-Based Systems, 2005, 18, 1-17.	4.0	135
7	Design of a case based intelligent supplier relationship management system—the integration of supplier rating system and product coding system. Expert Systems With Applications, 2003, 25, 87-100.	4.4	134
8	An Internet of Things (IoT)-based risk monitoring system for managing cold supply chain risks. Industrial Management and Data Systems, 2018, 118, 1432-1462.	2.2	131
9	Design and development of a hybrid artificial bee colony algorithm for the environmental vehicle routing problem. Transportation Research, Part D: Transport and Environment, 2014, 31, 85-99.	3.2	126
10	An Optimization Model for Electric Vehicle Battery Charging at a Battery Swapping Station. IEEE Transactions on Vehicular Technology, 2018, 67, 881-895.	3.9	119
11	Swarm intelligence applied in green logistics: A literature review. Engineering Applications of Artificial Intelligence, 2015, 37, 154-169.	4.3	115
12	A dynamic logistics process knowledge-based system – An RFID multi-agent approach. Knowledge-Based Systems, 2007, 20, 357-372.	4.0	107
13	A B2C e-commerce intelligent system for re-engineering the e-order fulfilment process. Expert Systems With Applications, 2018, 91, 386-401.	4.4	103
14	Two-stage approach for machine-part grouping and cell layout problems. Robotics and Computer-Integrated Manufacturing, 2006, 22, 217-238.	6.1	93
15	Development of a case based intelligent customer–supplier relationship management system. Expert Systems With Applications, 2002, 23, 281-297.	4.4	90
16	Multi-objective optimization for sustainable supply chain network design considering multiple distribution channels. Expert Systems With Applications, 2016, 65, 87-99.	4.4	85
17	Design of a knowledge-based logistics strategy system. Expert Systems With Applications, 2005, 29, 272-290.	4.4	82
18	A generic supplier management tool for outsourcing manufacturing. Supply Chain Management, 2003, 8, 140-154.	3.7	76

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19	Integration of web-based and RFID technology in visualizing logistics operations – a case study. Supply Chain Management, 2007, 12, 221-234.	3.7	75
20	An intelligent model for assuring food quality in managing a multi-temperature food distribution centre. Food Control, 2018, 90, 81-97.	2.8	75
21	Leveraging the supply chain flexibility of third party logistics – Hybrid knowledge-based system approach. Expert Systems With Applications, 2008, 35, 1998-2016.	4.4	72
22	A modified genetic algorithm for quay crane scheduling operations. Expert Systems With Applications, 2012, 39, 4213-4221.	4.4	71
23	A generic tool for the selection and management of supplier relationships in an outsourced manufacturing environment: the application of case based reasoning. Logistics Information Management, 2002, 15, 235-253.	0.8	65
24	An enterprise collaborative management system – a case study of supplier relationship management. Journal of Enterprise Information Management, 2004, 17, 191-207.	4.4	65
25	Managing uncertainty in logistics service supply chain. International Journal of Risk Assessment and Management, 2007, 7, 19.	0.2	64
26	A Genetic Algorithm-based optimization model for supporting green transportation operations. Expert Systems With Applications, 2014, 41, 3284-3296.	4.4	63
27	A fuzzy guided multi-objective evolutionary algorithm model for solving transportation problem. Expert Systems With Applications, 2009, 36, 8255-8268.	4.4	62
28	Dynamic routing model and solution methods for fleet management with mobile technologies. International Journal of Production Economics, 2008, 113, 694-705.	5.1	61
29	Analyze the healthcare service requirement using fuzzy QFD. Computers in Industry, 2015, 74, 1-15.	5.7	60
30	Design of an intelligent supplier relationship management system for new product development. International Journal of Computer Integrated Manufacturing, 2004, 17, 692-715.	2.9	55
31	Factors influencing implementation of reverse logistics: a survey among Hong Kong businesses. Measuring Business Excellence, 2012, 16, 29-46.	1.4	54
32	A RFID-based recursive process mining system for quality assurance in the garment industry. International Journal of Production Research, 2014, 52, 4216-4238.	4.9	52
33	A knowledge-based logistics operations planning system for mitigating risk in warehouse order fulfillment. International Journal of Production Economics, 2015, 170, 763-779.	5.1	52
34	A hybrid OLAP-association rule mining based quality management system for extracting defect patterns in the garment industry. Expert Systems With Applications, 2013, 40, 2435-2446.	4.4	51
35	A charging-scheme decision model for electric vehicle battery swapping station using varied population evolutionary algorithms. Applied Soft Computing Journal, 2017, 61, 905-920.	4.1	50
36	A decision support system for optimizing dynamic courier routing operations. Expert Systems With Applications, 2014, 41, 6917-6933.	4.4	49

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37	An IoT-based cargo monitoring system for enhancing operational effectiveness under a cold chain environment. <i>International Journal of Engineering Business Management</i> , 2017, 9, 184797901774906.	2.1	49
38	Development of an intelligent customerâ€supplier relationship management system: the application of caseâ€based reasoning. <i>Industrial Management and Data Systems</i> , 2003, 103, 263-274.	2.2	47
39	A systematic approach to manufacturing packaging logistics. <i>International Journal of Advanced Manufacturing Technology</i> , 2006, 29, 1088-1101.	1.5	47
40	A RFID-based Resource Allocation System for garment manufacturing. <i>Expert Systems With Applications</i> , 2013, 40, 784-799.	4.4	44
41	A slippery genetic algorithm-based process mining system for achieving better quality assurance in the garment industry. <i>Expert Systems With Applications</i> , 2016, 46, 236-248.	4.4	44
42	A RFID-case-based sample management system for fashion product development. <i>Engineering Applications of Artificial Intelligence</i> , 2009, 22, 882-896.	4.3	41
43	Determination of the success factors in supply chain networks: a Hong Kongâ€based manufacturer's perspective. <i>Measuring Business Excellence</i> , 2011, 15, 34-48.	1.4	41
44	A novel fuzzy group decision-making approach to prioritising engineering characteristics in QFD under uncertainties. <i>International Journal of Production Research</i> , 2011, 49, 5801-5820.	4.9	40
45	Impact of information technology on the performance of logistics industry: the case of Hong Kong and Pearl Delta region. <i>Journal of the Operational Research Society</i> , 2014, 65, 904-916.	2.1	40
46	A real-time food safety management system for receiving operations in distribution centers. <i>Expert Systems With Applications</i> , 2012, 39, 2532-2548.	4.4	39
47	A B2B flexible pricing decision support system for managing the request for quotation process under e-commerce business environment. <i>International Journal of Production Research</i> , 2019, 57, 6528-6551.	4.9	39
48	Application of genetic approach for advanced planning in multi-factory environment. <i>International Journal of Production Economics</i> , 2010, 127, 300-308.	5.1	38
49	Application of intelligent data management in resource allocation for effective operation of manufacturing systems. <i>Journal of Manufacturing Systems</i> , 2014, 33, 412-422.	7.6	37
50	A real-time warehouse operations planning system for small batch replenishment problems in production environment. <i>Expert Systems With Applications</i> , 2011, 38, 8524-8537.	4.4	32
51	A performance benchmarking system to support supplier selection. <i>International Journal of Business Performance Management</i> , 2006, 8, 132.	0.2	30
52	Knowledge management approach in buildâ€toâ€order supply chains. <i>Industrial Management and Data Systems</i> , 2007, 107, 882-919.	2.2	30
53	Development of performance measurement system in managing supplier relationship for maintenance logistics providers. <i>Benchmarking</i> , 2007, 14, 352-368.	2.9	30
54	An AI approach for optimizing multi-pallet loading operations. <i>Expert Systems With Applications</i> , 2009, 36, 4296-4312.	4.4	30

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55	A knowledge-based ingredient formulation system for chemical product development in the personal care industry. <i>Computers and Chemical Engineering</i> , 2014, 65, 40-53.	2.0	30
56	A genetic algorithm-based scheduler for multiproduct parallel machine sheet metal job shop. <i>Expert Systems With Applications</i> , 2011, 38, 8703-8715.	4.4	29
57	On the development of a case-based supplier management tool for multi-national manufacturers. <i>Measuring Business Excellence</i> , 2002, 6, 15-22.	1.4	28
58	An order-picking operations system for managing the batching activities in a warehouse. <i>International Journal of Systems Science</i> , 2014, 45, 1283-1295.	3.7	28
59	Cross-dock job assignment problem in space-constrained industrial logistics distribution hubs with a single docking zone. <i>International Journal of Production Research</i> , 2012, 50, 2439-2450.	4.9	27
60	Development of a Web-based enterprise collaborative platform for networked enterprises. <i>Business Process Management Journal</i> , 2003, 9, 46-59.	2.4	26
61	A real-time risk control and monitoring system for incident handling in wine storage. <i>Expert Systems With Applications</i> , 2013, 40, 3665-3678.	4.4	26
62	A real-time production operations decision support system for solving stochastic production material demand problems. <i>Expert Systems With Applications</i> , 2011, 38, 4829-4838.	4.4	24
63	Achieving quality assurance functionality in the food industry using a hybrid case-based reasoning and fuzzy logic approach. <i>Expert Systems With Applications</i> , 2012, 39, 5251-5261.	4.4	24
64	An intelligent logistics support system for enhancing the airfreight forwarding business. <i>Expert Systems</i> , 2004, 21, 253-268.	2.9	23
65	An enterprise collaborative management system: a case study of supplier selection in new product development. <i>International Journal of Technology Management</i> , 2004, 28, 206.	0.2	23
66	Explore the feasibility of adopting crowdsourcing for innovative problem solving. <i>Industrial Management and Data Systems</i> , 2015, 115, 803-832.	2.2	23
67	An integrated online pick-to-sort order batching approach for managing frequent arrivals of B2B e-commerce orders under both fixed and variable time-window batching. <i>Advanced Engineering Informatics</i> , 2020, 45, 101125.	4.0	23
68	Task allocation using case-based reasoning for distributed manufacturing systems. <i>Logistics Information Management</i> , 2000, 13, 167-176.	0.8	22
69	An intelligent supplier relationship management system for selecting and benchmarking suppliers. <i>International Journal of Technology Management</i> , 2003, 26, 717.	0.2	22
70	A strategic knowledge-based planning system for freight forwarding industry. <i>Expert Systems With Applications</i> , 2007, 33, 936-954.	4.4	22
71	An adaptive clinical decision support system for serving the elderly with chronic diseases in healthcare industry. <i>Expert Systems</i> , 2019, 36, e12369.	2.9	22
72	A real-time hybrid information-sharing and decision support system for the mould industry. <i>Journal of High Technology Management Research</i> , 2010, 21, 64-77.	2.7	21

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73	A real-time shop floor control system: an integrated RFID approach. International Journal of Enterprise Network Management, 2007, 1, 331.	0.2	20
74	A decision support system to facilitate warehouse order fulfillment in cross-border supply chain. Journal of Manufacturing Technology Management, 2011, 22, 972-983.	3.3	20
75	Fuzzy association rule mining for fashion product development. Industrial Management and Data Systems, 2015, 115, 383-399.	2.2	19
76	Prediction of B2C e-commerce order arrival using hybrid autoregressive-adaptive neuro-fuzzy inference system (AR-ANFIS) for managing fluctuation of throughput in e-fulfilment centres. Expert Systems With Applications, 2019, 134, 304-324.	4.4	19
77	Real-time inbound decision support system for enhancing the performance of a food warehouse. Journal of Manufacturing Technology Management, 2011, 22, 1014-1031.	3.3	18
78	Fast-track ventilation strategy to cater for pandemic patient isolation surges. Journal of Hospital Infection, 2012, 81, 246-250.	1.4	18
79	An online niche-market tour identification system for the travel and tourism industry. Internet Research, 2016, 26, 167-185.	2.7	18
80	Performance improvement of third-party logistics providers an integrated approach with a logistics information system. International Journal of Technology Management, 2008, 42, 226.	0.2	17
81	A hybrid scheduling decision support model for minimizing job tardiness in a make-to-order based mould manufacturing environment. Expert Systems With Applications, 2011, 38, 1931-1941.	4.4	17
82	Assessing a cross-border logistics policy using a performance measurement system framework: the case of Hong Kong and the Pearl River Delta region. International Journal of Systems Science, 2014, 45, 1306-1320.	3.7	17
83	A hybrid case-GA-based decision support model for warehouse operation in fulfilling cross-border orders. Expert Systems With Applications, 2012, 39, 7015-7028.	4.4	16
84	Effective selection and allocation of material handling equipment for stochastic production material demand problems using genetic algorithm. Expert Systems With Applications, 2011, 38, 12497-12505.	4.4	15
85	Design of a knowledge-based logistics management system: a case-based RFID approach. International Journal of Enterprise Network Management, 2006, 1, 5.	0.2	14
86	Customer relationship mining system for effective strategies formulation. Industrial Management and Data Systems, 2014, 114, 711-733.	2.2	14
87	Multi-Objective Mapping Method for 3D Environmental Sensor Network Deployment. IEEE Communications Letters, 2019, 23, 1231-1235.	2.5	14
88	Using radio frequency identification technology in distribution management: a case study on third-party logistics. International Journal of Manufacturing Technology and Management, 2007, 10, 19.	0.1	13
89	The impact of RFID technology on the formulation of logistics strategy. , 2008, , .		13
90	B2B multi-attribute e-procurement: an artificial immune system based goal programming approach. International Journal of Production Research, 2011, 49, 321-341.	4.9	13

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91	An Intelligent-Internet of Things (IoT) Outbound Logistics Knowledge Management System for Handling Temperature Sensitive Products. <i>International Journal of Knowledge and Systems Science</i> , 2018, 9, 23-40.	0.5	13
92	A Fuzzy-Based Product Life Cycle Prediction for Sustainable Development in the Electric Vehicle Industry. <i>Energies</i> , 2020, 13, 3918.	1.6	13
93	A decision support system to facilitate resources allocation: an OLAP-based neural network approach. <i>Journal of Manufacturing Technology Management</i> , 2004, 15, 771-778.	3.3	11
94	Improving logistics visibility in a supply chain: an integrated approach with radio frequency identification technology. <i>International Journal of Integrated Supply Management</i> , 2007, 3, 135.	0.2	11
95	Improving postponement operation in warehouse: an intelligent pick-and-pack decision-support system. <i>International Journal of Production Research</i> , 2012, 50, 7181-7197.	4.9	11
96	A cloud-based location assignment system for packaged food allocation in e-fulfillment warehouse. <i>International Journal of Engineering Business Management</i> , 2016, 8, 184797901668483.	2.1	11
97	A recursive operations strategy model for managing sustainable chemical product development and production. <i>International Journal of Production Economics</i> , 2016, 181, 262-272.	5.1	10
98	An examination of strategies under the financial tsunami. <i>Industrial Management and Data Systems</i> , 2010, 110, 1319-1336.	2.2	9
99	Development of an integrated logistics information system for third party logistics facilitators. <i>International Journal of Business Performance Management</i> , 2006, 8, 170.	0.2	8
100	An RFRS that combines RFID and CBR technologies. <i>Industrial Management and Data Systems</i> , 2012, 112, 385-404.	2.2	8
101	Assess the effects of different operations policies on warehousing reliability. <i>International Journal of Production Research</i> , 2014, 52, 662-678.	4.9	8
102	The design of an RFID-enhanced autonomous storage planning system for 3PL warehouses. <i>International Journal of Value Chain Management</i> , 2009, 3, 108.	0.1	7
103	An intelligent battery information management system to support information sharing and vehicle routing planning for battery distribution in Hong Kong. <i>International Journal of Innovation and Sustainable Development</i> , 2015, 9, 1.	0.3	7
104	The manufacturing of an optical fiber coupler by the fusion elongation method. <i>Journal of Materials Processing Technology</i> , 1997, 63, 806-809.	3.1	6
105	An efficient production material demand order management system for a mould manufacturing company. <i>Production Planning and Control</i> , 2011, 22, 754-766.	5.8	6
106	An optimization model for a battery swapping station in Hong Kong. , 2015, , .		6
107	Sales effort deployment in decentralized dual-channel distribution. <i>Industrial Management and Data Systems</i> , 2016, 116, 821-837.	2.2	6
108	Design of a RFID-based resource management system for warehouse operation. , 0, , .		5

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109	A Real-time Manufacturing Risk Management System: An Integrated RFID Approach. , 2007, , .		5
110	Design of a generic customer relationship strategy management system. International Journal of Electronic Customer Relationship Management, 2007, 1, 109.	0.1	5
111	A strategic customer relationship management system: a hybrid OLAP-neural approach. International Journal of Enterprise Network Management, 2007, 1, 350.	0.2	5
112	Infrastructure for implementing a responsive product development system: a case-based reasoning approach. International Journal of Product Development, 2007, 4, 341.	0.2	5
113	A Workflow Decision Support System for Achieving Customer Satisfaction in Warehouses Serving Machinery Industry. IFAC-PapersOnLine, 2015, 48, 1714-1719.	0.5	5
114	Design and development of inventory knowledge discovery system. Enterprise Information Systems, 2017, 11, 1262-1282.	3.3	5
115	A RFID-based location tracking scheme for inbound operations in warehouse environment. , 2008, , .		4
116	Framework to measure the performance of warehouse operations efficiency. , 2010, , .		4
117	A fuzzy association rule-based knowledge management system for occupational safety and health programs in cold storage facilities. VINE Journal of Information and Knowledge Management Systems, 2018, 48, 199-216.	1.2	4
118	Using fuzzy-based association rule mining to improve production systems for chemical product development. International Journal of Productivity and Quality Management, 2019, 26, 446.	0.1	4
119	A knowledge and analytical-based intelligent system for customising logistics management. International Journal of Information Technology and Management, 2007, 6, 40.	0.1	3
120	A real-time database management system for logistics systems: A case study. , 2008, , .		3
121	Design of a case-based multi-agent wave picking decision support system for handling e-commerce shipments. , 2016, , .		3
122	An intelligent medical Replenishment System for managing the medical resources in the healthcare industry. , 2016, , .		3
123	Development of an intelligent logistics fleet management system: an integrated approach. International Journal of Enterprise Network Management, 2007, 1, 372.	0.2	2
124	A design method for configuration and setup of a RFID system in a warehouse. , 2009, , .		2
125	An intelligent fuzzy-based storage assignment system for packaged food warehousing. , 2015, , .		2
126	An intelligent performance assessment system for enhancing the service quality of home care nursing staff in the healthcare industry. , 2016, , .		2

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127	Developing a comprehensive brand evaluation system with the support of TRIZ to formulate brand strategies. International Journal of Business Excellence, 2017, 11, 38.	0.2	2
128	A Fabric Resource Management System (FRMS) for Fashion Product Development. , 2015, , 710-720.		2
129	A RFID based knowledge management systems - an intelligent approach for managing logistics processes. Industrial Informatics, 2009 INDIN 2009 7th IEEE International Conference on, 2007, , .	0.0	1
130	On the design of an argumentation-based knowledge management system for logistics operations. International Journal of Management and Decision Making, 2008, 9, 183.	0.1	1
131	An RFID implementation study in inventory management. International Journal of Value Chain Management, 2008, 2, 508.	0.1	1
132	Modelling a CRM Markov chain process using system dynamics. International Journal of Value Chain Management, 2008, 2, 420.	0.1	1
133	A real-time business process decisions support planning system for mould industry: a case study. International Journal of Value Chain Management, 2009, 3, 87.	0.1	1
134	An intelligent vehicle management system for reducing greenhouse gas emission - a case study of hybrid vehicle engine. International Journal of Innovation and Sustainable Development, 2012, 6, 347.	0.3	1
135	Computational and systematic approaches in enhancing supply chain performance. International Journal of Systems Science, 2014, 45, 1253-1254.	3.7	1
136	A food monitoring system for preventing product deterioration. International Journal of Food Safety, Nutrition and Public Health, 2014, 5, 54.	0.1	1
137	A hybrid RFID case-based system for handling air cargo storage location assignment operations in distribution centers. , 2015, , .		1
138	Design of an adaptable logistics workflow management system for e-business. International Journal of Agile Systems and Management, 2006, 1, 329.	0.6	0
139	Design of a generic product and process development system a hybrid case-based reasoning approach. International Journal of Product Development, 2007, 4, 310.	0.2	0
140	A Smart Decision-Support System for dispersed manufacturing using neural object technology. International Journal of Manufacturing Technology and Management, 2009, 18, 149.	0.1	0
141	Development of a fuzzy-rule based system for product development in the garment industry. , 2015, , .		0
142	A fuzzy association Rule Mining framework for variables selection concerning the storage time of packaged food. , 2016, , .		0
143	Harnessing IoT Data and Knowledge in Smart Manufacturing. , 2020, , .		0