

# King Lun Tommy Choy

## List of Publications by Citations

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140  
papers

4,138  
citations

35  
h-index

59  
g-index

143  
ext. papers

4,819  
ext. citations

4.8  
avg, IF

5.68  
L-index

#	Paper	IF	Citations
140	Survey of Green Vehicle Routing Problem: Past and future trends. <i>Expert Systems With Applications</i> , <b>2014</b> , 41, 1118-1138	7.8	534
139	A RFID case-based logistics resource management system for managing order-picking operations in warehouses. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 8277-8301	7.8	184
138	Design and application of Internet of things-based warehouse management system for smart logistics. <i>International Journal of Production Research</i> , <b>2018</b> , 56, 2753-2768	7.8	145
137	Design of a case based intelligent supplier relationship management system the integration of supplier rating system and product coding system. <i>Expert Systems With Applications</i> , <b>2003</b> , 25, 87-100	7.8	113
136	Design of an intelligent supplier relationship management system: a hybrid case based neural network approach. <i>Expert Systems With Applications</i> , <b>2003</b> , 24, 225-237	7.8	109
135	A knowledge-based supplier intelligence retrieval system for outsource manufacturing. <i>Knowledge-Based Systems</i> , <b>2005</b> , 18, 1-17	7.3	107
134	Design and development of a hybrid artificial bee colony algorithm for the environmental vehicle routing problem. <i>Transportation Research, Part D: Transport and Environment</i> , <b>2014</b> , 31, 85-99	6.4	102
133	Swarm intelligence applied in green logistics: A literature review. <i>Engineering Applications of Artificial Intelligence</i> , <b>2015</b> , 37, 154-169	7.2	92
132	Two-stage approach for machine-part grouping and cell layout problems. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2006</b> , 22, 217-238	9.2	83
131	A dynamic logistics process knowledge-based system An RFID multi-agent approach. <i>Knowledge-Based Systems</i> , <b>2007</b> , 20, 357-372	7.3	76
130	An Internet of Things (IoT)-based risk monitoring system for managing cold supply chain risks. <i>Industrial Management and Data Systems</i> , <b>2018</b> , 118, 1432-1462	3.6	70
129	A B2C e-commerce intelligent system for re-engineering the e-order fulfilment process. <i>Expert Systems With Applications</i> , <b>2018</b> , 91, 386-401	7.8	69
128	Multi-objective optimization for sustainable supply chain network design considering multiple distribution channels. <i>Expert Systems With Applications</i> , <b>2016</b> , 65, 87-99	7.8	66
127	An Optimization Model for Electric Vehicle Battery Charging at a Battery Swapping Station. <i>IEEE Transactions on Vehicular Technology</i> , <b>2018</b> , 67, 881-895	6.8	65
126	Development of a case based intelligent customer-supplier relationship management system. <i>Expert Systems With Applications</i> , <b>2002</b> , 23, 281-297	7.8	65
125	Leveraging the supply chain flexibility of third party logistics Hybrid knowledge-based system approach. <i>Expert Systems With Applications</i> , <b>2008</b> , 35, 1998-2016	7.8	63
124	Design of a knowledge-based logistics strategy system. <i>Expert Systems With Applications</i> , <b>2005</b> , 29, 272-290	7.8	62

123	A modified genetic algorithm for quay crane scheduling operations. <i>Expert Systems With Applications</i> , <b>2012</b> , 39, 4213-4221	7.8	57
122	Integration of web-based and RFID technology in visualizing logistics operations – a case study. <i>Supply Chain Management</i> , <b>2007</b> , 12, 221-234	10	57
121	Analyze the healthcare service requirement using fuzzy QFD. <i>Computers in Industry</i> , <b>2015</b> , 74, 1-15	11.6	54
120	Dynamic routing model and solution methods for fleet management with mobile technologies. <i>International Journal of Production Economics</i> , <b>2008</b> , 113, 694-705	9.3	51
119	A generic supplier management tool for outsourcing manufacturing. <i>Supply Chain Management</i> , <b>2003</b> , 8, 140-154	10	51
118	A fuzzy guided multi-objective evolutionary algorithm model for solving transportation problem. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 8255-8268	7.8	49
117	Managing uncertainty in logistics service supply chain. <i>International Journal of Risk Assessment and Management</i> , <b>2007</b> , 7, 19	0.9	49
116	An enterprise collaborative management system – a case study of supplier relationship management. <i>Journal of Enterprise Information Management</i> , <b>2004</b> , 17, 191-207	4.4	48
115	Factors influencing implementation of reverse logistics: a survey among Hong Kong businesses. <i>Measuring Business Excellence</i> , <b>2012</b> , 16, 29-46	2.2	46
114	An intelligent model for assuring food quality in managing a multi-temperature food distribution centre. <i>Food Control</i> , <b>2018</b> , 90, 81-97	6.2	45
113	A Genetic Algorithm-based optimization model for supporting green transportation operations. <i>Expert Systems With Applications</i> , <b>2014</b> , 41, 3284-3296	7.8	42
112	A knowledge-based logistics operations planning system for mitigating risk in warehouse order fulfillment. <i>International Journal of Production Economics</i> , <b>2015</b> , 170, 763-779	9.3	40
111	A novel fuzzy group decision-making approach to prioritising engineering characteristics in QFD under uncertainties. <i>International Journal of Production Research</i> , <b>2011</b> , 49, 5801-5820	7.8	39
110	A systematic approach to manufacturing packaging logistics. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2006</b> , 29, 1088-1101	3.2	39
109	Design of an intelligent supplier relationship management system for new product development. <i>International Journal of Computer Integrated Manufacturing</i> , <b>2004</b> , 17, 692-715	4.3	38
108	A RFID-based Resource Allocation System for garment manufacturing. <i>Expert Systems With Applications</i> , <b>2013</b> , 40, 784-799	7.8	37
107	A RFID-based recursive process mining system for quality assurance in the garment industry. <i>International Journal of Production Research</i> , <b>2014</b> , 52, 4216-4238	7.8	37
106	A hybrid OLAP-association rule mining based quality management system for extracting defect patterns in the garment industry. <i>Expert Systems With Applications</i> , <b>2013</b> , 40, 2435-2446	7.8	37

105	A real-time food safety management system for receiving operations in distribution centers. <i>Expert Systems With Applications</i> , <b>2012</b> , 39, 2532-2548	7.8	35
104	Development of an intelligent customer-supplier relationship management system: the application of case-based reasoning. <i>Industrial Management and Data Systems</i> , <b>2003</b> , 103, 263-274	3.6	34
103	Application of genetic approach for advanced planning in multi-factory environment. <i>International Journal of Production Economics</i> , <b>2010</b> , 127, 300-308	9.3	33
102	Application of intelligent data management in resource allocation for effective operation of manufacturing systems. <i>Journal of Manufacturing Systems</i> , <b>2014</b> , 33, 412-422	9.1	31
101	Determination of the success factors in supply chain networks: a Hong Kong-based manufacturer's perspective. <i>Measuring Business Excellence</i> , <b>2011</b> , 15, 34-48	2.2	31
100	A RFID-case-based sample management system for fashion product development. <i>Engineering Applications of Artificial Intelligence</i> , <b>2009</b> , 22, 882-896	7.2	31
99	A slippery genetic algorithm-based process mining system for achieving better quality assurance in the garment industry. <i>Expert Systems With Applications</i> , <b>2016</b> , 46, 236-248	7.8	30
98	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> , <b>2014</b> , 65, 904-916	2	30
97	A charging-scheme decision model for electric vehicle battery swapping station using varied population evolutionary algorithms. <i>Applied Soft Computing Journal</i> , <b>2017</b> , 61, 905-920	7.5	30
96	A RFID-based storage assignment system for enhancing the efficiency of order picking. <i>Journal of Intelligent Manufacturing</i> , <b>2017</b> , 28, 111-129	6.7	29
95	Dynamic resource allocation for parking lot electric vehicle recharging using heuristic fuzzy particle swarm optimization algorithm. <i>Applied Soft Computing Journal</i> , <b>2018</b> , 71, 538-552	7.5	29
94	A decision support system for optimizing dynamic courier routing operations. <i>Expert Systems With Applications</i> , <b>2014</b> , 41, 6917-6933	7.8	29
93	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> , <b>2018</b> , 73, 46-57	5.1	28
92	An IoT-based cargo monitoring system for enhancing operational effectiveness under a cold chain environment. <i>International Journal of Engineering Business Management</i> , <b>2017</b> , 9, 184797901774906	1.9	27
91	A genetic algorithm-based scheduler for multiproduct parallel machine sheet metal job shop. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 8703-8715	7.8	26
90	Development of performance measurement system in managing supplier relationship for maintenance logistics providers. <i>Benchmarking</i> , <b>2007</b> , 14, 352-368	4	26
89	A performance benchmarking system to support supplier selection. <i>International Journal of Business Performance Management</i> , <b>2006</b> , 8, 132	0.7	26
88	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> , <b>2019</b> , 57, 6528-6551	7.8	25

87	A real-time warehouse operations planning system for small batch replenishment problems in production environment. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 8524-8537	7.8	25
86	A knowledge-based ingredient formulation system for chemical product development in the personal care industry. <i>Computers and Chemical Engineering</i> , <b>2014</b> , 65, 40-53	4	24
85	An order-picking operations system for managing the batching activities in a warehouse. <i>International Journal of Systems Science</i> , <b>2014</b> , 45, 1283-1295	2.3	24
84	A Computer Vision-Based Roadside Occupation Surveillance System for Intelligent Transport in Smart Cities. <i>Sensors</i> , <b>2019</b> , 19,	3.8	23
83	An AI approach for optimizing multi-pallet loading operations. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 4296-4312	7.8	23
82	On the development of a case-based supplier management tool for multi-national manufacturers. <i>Measuring Business Excellence</i> , <b>2002</b> , 6, 15-22	2.2	23
81	Achieving quality assurance functionality in the food industry using a hybrid case-based reasoning and fuzzy logic approach. <i>Expert Systems With Applications</i> , <b>2012</b> , 39, 5251-5261	7.8	22
80	Cross-dock job assignment problem in space-constrained industrial logistics distribution hubs with a single docking zone. <i>International Journal of Production Research</i> , <b>2012</b> , 50, 2439-2450	7.8	21
79	A real-time production operations decision support system for solving stochastic production material demand problems. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 4829-4838	7.8	20
78	A real-time risk control and monitoring system for incident handling in wine storage. <i>Expert Systems With Applications</i> , <b>2013</b> , 40, 3665-3678	7.8	19
77	A real-time hybrid information-sharing and decision support system for the mould industry. <i>Journal of High Technology Management Research</i> , <b>2010</b> , 21, 64-77	2.4	19
76	Development of a Web-based enterprise collaborative platform for networked enterprises. <i>Business Process Management Journal</i> , <b>2003</b> , 9, 46-59	3.6	19
75	An intelligent supplier relationship management system for selecting and benchmarking suppliers. <i>International Journal of Technology Management</i> , <b>2003</b> , 26, 717	1.2	19
74	A strategic knowledge-based planning system for freight forwarding industry. <i>Expert Systems With Applications</i> , <b>2007</b> , 33, 936-954	7.8	18
73	Knowledge management approach in build-to-order supply chains. <i>Industrial Management and Data Systems</i> , <b>2007</b> , 107, 882-919	3.6	18
72	An enterprise collaborative management system: a case study of supplier selection in new product development. <i>International Journal of Technology Management</i> , <b>2004</b> , 28, 206	1.2	18
71	An online niche-market tour identification system for the travel and tourism industry. <i>Internet Research</i> , <b>2016</b> , 26, 167-185	4.8	16
70	Explore the feasibility of adopting crowdsourcing for innovative problem solving. <i>Industrial Management and Data Systems</i> , <b>2015</b> , 115, 803-832	3.6	16

69	Real-time inbound decision support system for enhancing the performance of a food warehouse. <i>Journal of Manufacturing Technology Management</i> , <b>2011</b> , 22, 1014-1031	7.1	16
68	Assessing a cross-border logistics policy using a performance measurement system framework: the case of Hong Kong and the Pearl River Delta region. <i>International Journal of Systems Science</i> , <b>2014</b> , 45, 1306-1320	2.3	15
67	A decision support system to facilitate warehouse order fulfillment in cross-border supply chain. <i>Journal of Manufacturing Technology Management</i> , <b>2011</b> , 22, 972-983	7.1	15
66	A hybrid scheduling decision support model for minimizing job tardiness in a make-to-order based mould manufacturing environment. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 1931-1941	7.8	15
65	An intelligent logistics support system for enhancing the airfreight forwarding business. <i>Expert Systems</i> , <b>2004</b> , 21, 253-268	2.1	15
64	An adaptive clinical decision support system for serving the elderly with chronic diseases in healthcare industry. <i>Expert Systems</i> , <b>2019</b> , 36, e12369	2.1	15
63	A hybrid case-GA-based decision support model for warehouse operation in fulfilling cross-border orders. <i>Expert Systems With Applications</i> , <b>2012</b> , 39, 7015-7028	7.8	14
62	Fuzzy association rule mining for fashion product development. <i>Industrial Management and Data Systems</i> , <b>2015</b> , 115, 383-399	3.6	13
61	Customer relationship mining system for effective strategies formulation. <i>Industrial Management and Data Systems</i> , <b>2014</b> , 114, 711-733	3.6	13
60	Fast-track ventilation strategy to cater for pandemic patient isolation surges. <i>Journal of Hospital Infection</i> , <b>2012</b> , 81, 246-50	6.9	13
59	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> , <b>2020</b> , 45, 101125	7.4	12
58	B2B multi-attribute e-procurement: an artificial immune system based goal programming approach. <i>International Journal of Production Research</i> , <b>2011</b> , 49, 321-341	7.8	12
57	Effective selection and allocation of material handling equipment for stochastic production material demand problems using genetic algorithm. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 12497-12505	7.8	12
56	Performance improvement of third-party logistics providers an integrated approach with a logistics information system. <i>International Journal of Technology Management</i> , <b>2008</b> , 42, 226	1.2	12
55	Improving postponement operation in warehouse: an intelligent pick-and-pack decision-support system. <i>International Journal of Production Research</i> , <b>2012</b> , 50, 7181-7197	7.8	11
54	Improving logistics visibility in a supply chain: an integrated approach with radio frequency identification technology. <i>International Journal of Integrated Supply Management</i> , <b>2007</b> , 3, 135	3.8	11
53	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. <i>Expert Systems With Applications</i> , <b>2019</b> , 134, 304-324	7.8	10
52	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> , <b>2018</b> , 9, 23-40	1.3	10



51	A decision support system to facilitate resources allocation: an OLAP-based neural network approach. <i>Journal of Manufacturing Technology Management</i> , <b>2004</b> , 15, 771-778	7.1	9
50	An examination of strategies under the financial tsunami. <i>Industrial Management and Data Systems</i> , <b>2010</b> , 110, 1319-1336	3.6	8
49	An RFRS that combines RFID and CBR technologies. <i>Industrial Management and Data Systems</i> , <b>2012</b> , 112, 385-404	3.6	8
48	Using radio frequency identification technology in distribution management: a case study on third-party logistics. <i>International Journal of Manufacturing Technology and Management</i> , <b>2007</b> , 10, 19	0.4	8
47	A Fuzzy-Based Product Life Cycle Prediction for Sustainable Development in the Electric Vehicle Industry. <i>Energies</i> , <b>2020</b> , 13, 3918	3.1	8
46	A cloud-based location assignment system for packaged food allocation in e-fulfillment warehouse. <i>International Journal of Engineering Business Management</i> , <b>2016</b> , 8, 184797901668483	1.9	8
45	A cloud-based responsive replenishment system in a franchise business model using a fuzzy logic approach. <i>Expert Systems</i> , <b>2016</b> , 33, 14-29	2.1	7
44	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> , <b>2015</b> , 9, 1	1.1	7
43	Assess the effects of different operations policies on warehousing reliability. <i>International Journal of Production Research</i> , <b>2014</b> , 52, 662-678	7.8	7
42	The design of an RFID-enhanced autonomous storage planning system for 3PL warehouses. <i>International Journal of Value Chain Management</i> , <b>2009</b> , 3, 108	0.3	7
41	An Empirical Study on Patients' Acceptance and Resistance Towards Electronic Health Record Sharing System. <i>International Journal of Knowledge and Systems Science</i> , <b>2018</b> , 9, 1-27	1.3	7
40	The impact of RFID technology on the formulation of logistics strategy <b>2008</b> ,		6
39	Development of an integrated logistics information system for third party logistics facilitators. <i>International Journal of Business Performance Management</i> , <b>2006</b> , 8, 170	0.7	6
38	A recursive operations strategy model for managing sustainable chemical product development and production. <i>International Journal of Production Economics</i> , <b>2016</b> , 181, 262-272	9.3	6
37	A web mining-based case adaptation model for quality assurance of pharmaceutical warehouses. <i>International Journal of Logistics Research and Applications</i> , <b>2019</b> , 22, 325-348	3.8	6
36	An intelligent case-based knowledge management system for quality improvement in nursing homes. <i>VINE Journal of Information and Knowledge Management Systems</i> , <b>2018</b> , 48, 103-121	1.9	5
35	Sales effort deployment in decentralized dual-channel distribution. <i>Industrial Management and Data Systems</i> , <b>2016</b> , 116, 821-837	3.6	5
34	An efficient production material demand order management system for a mould manufacturing company. <i>Production Planning and Control</i> , <b>2011</b> , 22, 754-766	4.3	5

33	A Workflow Decision Support System for Achieving Customer Satisfaction in Warehouses Serving Machinery Industry. <i>IFAC-PapersOnLine</i> , <b>2015</b> , 48, 1714-1719	0.7	4
32	The manufacturing of an optical fiber coupler by the fusion elongation method. <i>Journal of Materials Processing Technology</i> , <b>1997</b> , 63, 806-809	5.3	4
31	A RFID-based location tracking scheme for inbound operations in warehouse environment <b>2008</b> ,		4
30	Design of a RFID-based resource management system for warehouse operation		4
29	An optimization model for a battery swapping station in Hong Kong <b>2015</b> ,		3
28	Design and development of inventory knowledge discovery system. <i>Enterprise Information Systems</i> , <b>2017</b> , 11, 1262-1282	3.5	3
27	A scheduling and control system for electric vehicle charging at parking lot <b>2017</b> ,		3
26	Framework to measure the performance of warehouse operations efficiency <b>2010</b> ,		3
25	A real-time database management system for logistics systems: A case study <b>2008</b> ,		3
24	Infrastructure for implementing a responsive product development system: a case-based reasoning approach. <i>International Journal of Product Development</i> , <b>2007</b> , 4, 341	0.7	3
23	An Intelligent Service Planning System for Effective Home Care Service Scheduling <b>2018</b> ,		3
22	An intelligent fuzzy-based storage assignment system for packaged food warehousing <b>2015</b> ,		2
21	Developing a comprehensive brand evaluation system with the support of TRIZ to formulate brand strategies. <i>International Journal of Business Excellence</i> , <b>2017</b> , 11, 38	0.7	2
20	A fuzzy association rule-based knowledge management system for occupational safety and health programs in cold storage facilities. <i>VINE Journal of Information and Knowledge Management Systems</i> , <b>2018</b> , 48, 199-216	1.9	2
19	A design method for configuration and setup of a RFID system in a warehouse <b>2009</b> ,		2
18	A Real-time Manufacturing Risk Management System: An Integrated RFID Approach <b>2007</b> ,		2
17	A knowledge and analytical-based intelligent system for customising logistics management. <i>International Journal of Information Technology and Management</i> , <b>2007</b> , 6, 40	0.2	2
16	A Fabric Resource Management System (FRMS) for Fashion Product Development <b>2015</b> , 710-720		2



15	Design of a case-based multi-agent wave picking decision support system for handling e-commerce shipments <b>2016</b> ,		2
14	An intelligent performance assessment system for enhancing the service quality of home care nursing staff in the healthcare industry <b>2016</b> ,		2
13	A hybrid RFID case-based system for handling air cargo storage location assignment operations in distribution centers <b>2015</b> ,		1
12	An intelligent vehicle management system for reducing greenhouse gas emission - a case study of hybrid vehicle engine. <i>International Journal of Innovation and Sustainable Development</i> , <b>2012</b> , 6, 347	1.1	1
11	A real-time business process decisions support planning system for mould industry: a case study. <i>International Journal of Value Chain Management</i> , <b>2009</b> , 3, 87	0.3	1
10	On the design of an argumentation-based knowledge management system for logistics operations. <i>International Journal of Management and Decision Making</i> , <b>2008</b> , 9, 183	0.4	1
9	An RFID implementation study in inventory management. <i>International Journal of Value Chain Management</i> , <b>2008</b> , 2, 508	0.3	1
8	Modelling a CRM Markov chain process using system dynamics. <i>International Journal of Value Chain Management</i> , <b>2008</b> , 2, 420	0.3	1
7	A RFID based knowledge management systems - an intelligent approach for managing logistics processes. <i>Industrial Informatics, 2009 INDIN 2009 7th IEEE International Conference on</i> , <b>2007</b> ,		1
6	An intelligent medical Replenishment System for managing the medical resources in the healthcare industry <b>2016</b> ,		1
5	Computational and systematic approaches in enhancing supply chain performance. <i>International Journal of Systems Science</i> , <b>2014</b> , 45, 1253-1254	2.3	
4	A Smart Decision-Support System for dispersed manufacturing using neural object technology. <i>International Journal of Manufacturing Technology and Management</i> , <b>2009</b> , 18, 149	0.4	
3	Design of a generic product and process development system a hybrid case-based reasoning approach. <i>International Journal of Product Development</i> , <b>2007</b> , 4, 310	0.7	
2	Design of an adaptable logistics workflow management system for e-business. <i>International Journal of Agile Systems and Management</i> , <b>2006</b> , 1, 329	1.7	
1	Design of a CAVE Immersive Visualization System for Teaching and Learning: A Case Study of Air Cargo Logistics. <i>Creativity in the Twenty First Century</i> , <b>2021</b> , 35-48	0.2	