

King Lun Tommy Choy

List of Publications by Year in descending order

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143
papers

5,517
citations

76196

40
h-index

91712

69
g-index

143
all docs

143
docs citations

143
times ranked

4264
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	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
5	A knowledge-based supplier intelligence retrieval system for outsource manufacturing. Knowledge-Based Systems, 2005, 18, 1-17.	4.0	135
6	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
7	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
8	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
9	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
10	Swarm intelligence applied in green logistics: A literature review. Engineering Applications of Artificial Intelligence, 2015, 37, 154-169.	4.3	115
11	A dynamic logistics process knowledge-based system – An RFID multi-agent approach. Knowledge-Based Systems, 2007, 20, 357-372.	4.0	107
12	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
13	Two-stage approach for machine-part grouping and cell layout problems. Robotics and Computer-Integrated Manufacturing, 2006, 22, 217-238.	6.1	93
14	Development of a case based intelligent customer–supplier relationship management system. Expert Systems With Applications, 2002, 23, 281-297.	4.4	90
15	Multi-objective optimization for sustainable supply chain network design considering multiple distribution channels. Expert Systems With Applications, 2016, 65, 87-99.	4.4	85
16	Design of a knowledge-based logistics strategy system. Expert Systems With Applications, 2005, 29, 272-290.	4.4	82
17	A generic supplier management tool for outsourcing manufacturing. Supply Chain Management, 2003, 8, 140-154.	3.7	76
18	Integration of web-based and RFID technology in visualizing logistics operations – a case study. Supply Chain Management, 2007, 12, 221-234.	3.7	75

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19	An intelligent model for assuring food quality in managing a multi-temperature food distribution centre. <i>Food Control</i> , 2018, 90, 81-97.	2.8	75
20	Leveraging the supply chain flexibility of third party logistics – Hybrid knowledge-based system approach. <i>Expert Systems With Applications</i> , 2008, 35, 1998-2016.	4.4	72
21	A modified genetic algorithm for quay crane scheduling operations. <i>Expert Systems With Applications</i> , 2012, 39, 4213-4221.	4.4	71
22	An enterprise collaborative management system – a case study of supplier relationship management. <i>Journal of Enterprise Information Management</i> , 2004, 17, 191-207.	4.4	65
23	Managing uncertainty in logistics service supply chain. <i>International Journal of Risk Assessment and Management</i> , 2007, 7, 19.	0.2	64
24	A Genetic Algorithm-based optimization model for supporting green transportation operations. <i>Expert Systems With Applications</i> , 2014, 41, 3284-3296.	4.4	63
25	A fuzzy guided multi-objective evolutionary algorithm model for solving transportation problem. <i>Expert Systems With Applications</i> , 2009, 36, 8255-8268.	4.4	62
26	Dynamic routing model and solution methods for fleet management with mobile technologies. <i>International Journal of Production Economics</i> , 2008, 113, 694-705.	5.1	61
27	Analyze the healthcare service requirement using fuzzy QFD. <i>Computers in Industry</i> , 2015, 74, 1-15.	5.7	60
28	Design of an intelligent supplier relationship management system for new product development. <i>International Journal of Computer Integrated Manufacturing</i> , 2004, 17, 692-715.	2.9	55
29	A Computer Vision-Based Roadside Occupation Surveillance System for Intelligent Transport in Smart Cities. <i>Sensors</i> , 2019, 19, 1796.	2.1	55
30	Factors influencing implementation of reverse logistics: a survey among Hong Kong businesses. <i>Measuring Business Excellence</i> , 2012, 16, 29-46.	1.4	54
31	A RFID-based recursive process mining system for quality assurance in the garment industry. <i>International Journal of Production Research</i> , 2014, 52, 4216-4238.	4.9	52
32	A knowledge-based logistics operations planning system for mitigating risk in warehouse order fulfillment. <i>International Journal of Production Economics</i> , 2015, 170, 763-779.	5.1	52
33	A hybrid OLAP-association rule mining based quality management system for extracting defect patterns in the garment industry. <i>Expert Systems With Applications</i> , 2013, 40, 2435-2446.	4.4	51
34	A charging-scheme decision model for electric vehicle battery swapping station using varied population evolutionary algorithms. <i>Applied Soft Computing Journal</i> , 2017, 61, 905-920.	4.1	50
35	A decision support system for optimizing dynamic courier routing operations. <i>Expert Systems With Applications</i> , 2014, 41, 6917-6933.	4.4	49
36	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

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37	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
38	A systematic approach to manufacturing packaging logistics. <i>International Journal of Advanced Manufacturing Technology</i> , 2006, 29, 1088-1101.	1.5	47
39	A RFID-based Resource Allocation System for garment manufacturing. <i>Expert Systems With Applications</i> , 2013, 40, 784-799.	4.4	44
40	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
41	Dynamic resource allocation for parking lot electric vehicle recharging using heuristic fuzzy particle swarm optimization algorithm. <i>Applied Soft Computing Journal</i> , 2018, 71, 538-552.	4.1	43
42	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.	2.4	43
43	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
44	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
45	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
46	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
47	A RFID-based storage assignment system for enhancing the efficiency of order picking. <i>Journal of Intelligent Manufacturing</i> , 2017, 28, 111-129.	4.4	40
48	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
49	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
50	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
51	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
52	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
53	A performance benchmarking system to support supplier selection. <i>International Journal of Business Performance Management</i> , 2006, 8, 132.	0.2	30
54	Knowledge management approach in buildâ€toâ€order supply chains. <i>Industrial Management and Data Systems</i> , 2007, 107, 882-919.	2.2	30

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55	Development of performance measurement system in managing supplier relationship for maintenance logistics providers. <i>Benchmarking</i> , 2007, 14, 352-368.	2.9	30
56	An AI approach for optimizing multi-pallet loading operations. <i>Expert Systems With Applications</i> , 2009, 36, 4296-4312.	4.4	30
57	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
58	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
59	On the development of a case-based supplier management tool for multinational manufacturers. <i>Measuring Business Excellence</i> , 2002, 6, 15-22.	1.4	28
60	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
61	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
62	Development of a Web-based enterprise collaborative platform for networked enterprises. <i>Business Process Management Journal</i> , 2003, 9, 46-59.	2.4	26
63	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
64	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
65	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
66	An intelligent logistics support system for enhancing the airfreight forwarding business. <i>Expert Systems</i> , 2004, 21, 253-268.	2.9	23
67	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
68	Explore the feasibility of adopting crowdsourcing for innovative problem solving. <i>Industrial Management and Data Systems</i> , 2015, 115, 803-832.	2.2	23
69	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
70	An intelligent supplier relationship management system for selecting and benchmarking suppliers. <i>International Journal of Technology Management</i> , 2003, 26, 717.	0.2	22
71	A strategic knowledge-based planning system for freight forwarding industry. <i>Expert Systems With Applications</i> , 2007, 33, 936-954.	4.4	22
72	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

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73	A real-time hybrid information-sharing and decision support system for the mould industry. Journal of High Technology Management Research, 2010, 21, 64-77.	2.7	21
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	Customer relationship mining system for effective strategies formulation. Industrial Management and Data Systems, 2014, 114, 711-733.	2.2	14
86	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
87	The impact of RFID technology on the formulation of logistics strategy. , 2008, , .		13
88	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
89	An intelligent case-based knowledge management system for quality improvement in nursing homes. VINE Journal of Information and Knowledge Management Systems, 2018, 48, 103-121.	1.2	13
90	An Intelligent-Internet of Things (IoT) Outbound Logistics Knowledge Management System for Handling Temperature Sensitive Products. International Journal of Knowledge and Systems Science, 2018, 9, 23-40.	0.5	13

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91	A Fuzzy-Based Product Life Cycle Prediction for Sustainable Development in the Electric Vehicle Industry. <i>Energies</i> , 2020, 13, 3918.	1.6	13
92	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
93	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
94	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
95	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
96	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
97	A cloud-based responsive replenishment system in a franchise business model using a fuzzy logic approach. <i>Expert Systems</i> , 2016, 33, 14-29.	2.9	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	An Empirical Study on Patients' Acceptance and Resistance Towards Electronic Health Record Sharing System. <i>International Journal of Knowledge and Systems Science</i> , 2018, 9, 1-27.	0.5	8
103	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
104	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
105	A web mining-based case adaptation model for quality assurance of pharmaceutical warehouses. <i>International Journal of Logistics Research and Applications</i> , 2019, 22, 325-348.	5.6	7
106	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
107	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
108	An optimization model for a battery swapping station in Hong Kong. , 2015, , .		6

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109	Sales effort deployment in decentralized dual-channel distribution. <i>Industrial Management and Data Systems</i> , 2016, 116, 821-837.	2.2	6
110	A scheduling and control system for electric vehicle charging at parking lot. , 2017, , .		6
111	Design of a RFID-based resource management system for warehouse operation. , 0, , .		5
112	A Real-time Manufacturing Risk Management System: An Integrated RFID Approach. , 2007, , .		5
113	Infrastructure for implementing a responsive product development system: a case-based reasoning approach. <i>International Journal of Product Development</i> , 2007, 4, 341.	0.2	5
114	A Workflow Decision Support System for Achieving Customer Satisfaction in Warehouses Serving Machinery Industry. <i>IFAC-PapersOnLine</i> , 2015, 48, 1714-1719.	0.5	5
115	Design and development of inventory knowledge discovery system. <i>Enterprise Information Systems</i> , 2017, 11, 1262-1282.	3.3	5
116	A RFID-based location tracking scheme for inbound operations in warehouse environment. , 2008, , .		4
117	Framework to measure the performance of warehouse operations efficiency. , 2010, , .		4
118	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> , 2018, 48, 199-216.	1.2	4
119	A knowledge and analytical-based intelligent system for customising logistics management. <i>International Journal of Information Technology and Management</i> , 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	An Intelligent Service Planning System for Effective Home Care Service Scheduling. , 2018, , .		3
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 hybrid RFID case-based system for handling air cargo storage location assignment operations in distribution centers. , 2015, , .		1
137	Design of an adaptable logistics workflow management system for e-business. International Journal of Agile Systems and Management, 2006, 1, 329.	0.6	0
138	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
139	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
140	Development of a fuzzy-rule based system for product development in the garment industry. , 2015, , .		0
141	A fuzzy association Rule Mining framework for variables selection concerning the storage time of packaged food. , 2016, , .		0
142	Harnessing IoT Data and Knowledge in Smart Manufacturing. , 2020, , .		0
143	Design of a CAVE Immersive Visualization for : A Case Study of. Creativity in the Twenty First Century, 2021, , 35-48.	0.5	0