

# Eric Wt Ngai

## List of Publications by Citations

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146  
papers

12,081  
citations

54  
h-index

108  
g-index

161  
ext. papers

14,181  
ext. citations

6  
avg, IF

6.99  
L-index

#	Paper	IF	Citations
146	Information systems in supply chain integration and management. <i>European Journal of Operational Research</i> , <b>2004</b> , 159, 269-295	5.6	723
145	Application of data mining techniques in customer relationship management: A literature review and classification. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 2592-2602	7.8	671
144	Big data analytics in logistics and supply chain management: Certain investigations for research and applications. <i>International Journal of Production Economics</i> , <b>2016</b> , 176, 98-110	9.3	653
143	Application of decision-making techniques in supplier selection: A systematic review of literature. <i>Expert Systems With Applications</i> , <b>2013</b> , 40, 3872-3885	7.8	610
142	The application of data mining techniques in financial fraud detection: A classification framework and an academic review of literature. <i>Decision Support Systems</i> , <b>2011</b> , 50, 559-569	5.6	504
141	RFID research: An academic literature review (1995-2005) and future research directions. <i>International Journal of Production Economics</i> , <b>2008</b> , 112, 510-520	9.3	476
140	Empirical examination of the adoption of WebCT using TAM. <i>Computers and Education</i> , <b>2007</b> , 48, 250-267	9.5	388
139	Social media research: Theories, constructs, and conceptual frameworks. <i>International Journal of Information Management</i> , <b>2015</b> , 35, 33-44	16.4	365
138	A review for mobile commerce research and applications. <i>Decision Support Systems</i> , <b>2007</b> , 43, 3-15	5.6	316
137	Examining the critical success factors in the adoption of enterprise resource planning. <i>Computers in Industry</i> , <b>2008</b> , 59, 548-564	11.6	306
136	Build-to-order supply chain management: a literature review and framework for development. <i>Journal of Operations Management</i> , <b>2005</b> , 23, 423-451	5.2	306
135	A literature review and classification of electronic commerce research. <i>Information and Management</i> , <b>2002</b> , 39, 415-429	6.6	273
134	Customer churn prediction using improved balanced random forests. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 5445-5449	7.8	203
133	Information technology, operational, and management competencies for supply chain agility: Findings from case studies. <i>Journal of Strategic Information Systems</i> , <b>2011</b> , 20, 232-249	13.3	196
132	Measures for evaluating supply chain performance in transport logistics. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2002</b> , 38, 439-456	9	196
131	Mobile commerce integrated with RFID technology in a container depot. <i>Decision Support Systems</i> , <b>2007</b> , 43, 62-76	5.6	195
130	ERP systems adoption: An exploratory study of the organizational factors and impacts of ERP success. <i>Information and Management</i> , <b>2007</b> , 44, 418-432	6.6	191

129	Adoption of e-procurement in Hong Kong: An empirical research. <i>International Journal of Production Economics</i> , <b>2008</b> , 113, 159-175	9.3	162
128	Information technology and systems justification: A review for research and applications. <i>European Journal of Operational Research</i> , <b>2006</b> , 173, 957-983	5.6	157
127	The effects of strategic and manufacturing flexibilities and supply chain agility on firm performance in the fashion industry. <i>European Journal of Operational Research</i> , <b>2017</b> , 259, 486-499	5.6	155
126	Evaluation of knowledge management tools using AHP. <i>Expert Systems With Applications</i> , <b>2005</b> , 29, 889-909	7.9	154
125	An RFID-based intelligent decision support system architecture for production monitoring and scheduling in a distributed manufacturing environment. <i>International Journal of Production Economics</i> , <b>2015</b> , 159, 16-28	9.3	135
124	Fuzzy decision support system for risk analysis in e-commerce development. <i>Decision Support Systems</i> , <b>2005</b> , 40, 235-255	5.6	123
123	Consumer complaint behaviour of Asians and non-Asians about hotel services. <i>European Journal of Marketing</i> , <b>2007</b> , 41, 1375-1391	4.4	118
122	Selection of web sites for online advertising using the AHP. <i>Information and Management</i> , <b>2003</b> , 40, 233-242	6.4	117
121	E-Procurement adoption in the Southcoast SMEs. <i>International Journal of Production Economics</i> , <b>2009</b> , 122, 161-175	9.3	114
120	Social media models, technologies, and applications. <i>Industrial Management and Data Systems</i> , <b>2015</b> , 115, 769-802	3.6	113
119	An empirical study of supply chain performance in transport logistics. <i>International Journal of Production Economics</i> , <b>2004</b> , 87, 321-331	9.3	107
118	An empirical study of the effects of knowledge sharing and learning behaviors on firm performance. <i>Expert Systems With Applications</i> , <b>2008</b> , 34, 2342-2349	7.8	106
117	Knowledge management in 21st century manufacturing. <i>International Journal of Production Research</i> , <b>2007</b> , 45, 2391-2418	7.8	104
116	Supply chain flexibility in an uncertain environment: exploratory findings from five case studies. <i>Supply Chain Management</i> , <b>2011</b> , 16, 271-283	10	101
115	A critical review of end-user information system satisfaction research and a new research framework. <i>Omega</i> , <b>2002</b> , 30, 451-478	7.2	100
114	Software project risk analysis using Bayesian networks with causality constraints. <i>Decision Support Systems</i> , <b>2013</b> , 56, 439-449	5.6	96
113	Predicting the organisational adoption of B2C e-commerce: an empirical study. <i>Industrial Management and Data Systems</i> , <b>2006</b> , 106, 1133-1147	3.6	94
112	Human resource information systems: a review and empirical analysis. <i>Personnel Review</i> , <b>2006</b> , 35, 297-314	3.4	93

111	An instrument for measuring supply chain flexibility for the textile and clothing companies. <i>European Journal of Operational Research</i> , <b>2012</b> , 222, 191-203	5.6	92
110	Development of an RFID-based sushi management system: The case of a conveyor-belt sushi restaurant. <i>International Journal of Production Economics</i> , <b>2008</b> , 112, 630-645	9.3	90
109	Decision support and intelligent systems in the textile and apparel supply chain: An academic review of research articles. <i>Expert Systems With Applications</i> , <b>2014</b> , 41, 81-91	7.8	89
108	The adoption of RFID in fashion retailing: a business value-added framework. <i>Industrial Management and Data Systems</i> , <b>2008</b> , 108, 596-612	3.6	89
107	Modeling and analysis of build-to-order supply chains. <i>European Journal of Operational Research</i> , <b>2009</b> , 195, 319-334	5.6	88
106	Application of evolutionary computation for rule discovery in stock algorithmic trading: A literature review. <i>Applied Soft Computing Journal</i> , <b>2015</b> , 36, 534-551	7.5	85
105	Critical success factors of web-based supply-chain management systems: an exploratory study. <i>Production Planning and Control</i> , <b>2004</b> , 15, 622-630	4.3	82
104	Energy and utility management maturity model for sustainable manufacturing process. <i>International Journal of Production Economics</i> , <b>2013</b> , 146, 453-464	9.3	81
103	Virtual supply-chain management. <i>Production Planning and Control</i> , <b>2004</b> , 15, 584-595	4.3	79
102	Predicting online product sales via online reviews, sentiments, and promotion strategies. <i>International Journal of Operations and Production Management</i> , <b>2016</b> , 36, 358-383	6.8	77
101	Multi-perspective strategic supplier selection in uncertain environments. <i>International Journal of Production Economics</i> , <b>2015</b> , 166, 215-225	9.3	65
100	Fake online reviews: Literature review, synthesis, and directions for future research. <i>Decision Support Systems</i> , <b>2020</b> , 132, 113280	5.6	63
99	The role of supplier operational adaptation on the performance of IT-enabled transport logistics under environmental uncertainty. <i>International Journal of Production Economics</i> , <b>2009</b> , 122, 47-55	9.3	63
98	Design of an RFID-based Healthcare Management System using an Information System Design Theory. <i>Information Systems Frontiers</i> , <b>2009</b> , 11, 405-417	4	61
97	Logistics information systems: The Hong Kong experience. <i>International Journal of Production Economics</i> , <b>2008</b> , 113, 223-234	9.3	59
96	An examination of the influence of guanxi and xinyong (utilization of personal trust) on negotiation outcome in China: An old friend approach. <i>Industrial Marketing Management</i> , <b>2011</b> , 40, 1193-1205	6.9	58
95	Implementing an RFID-based manufacturing process management system: Lessons learned and success factors. <i>Journal of Engineering and Technology Management - JET-M</i> , <b>2012</b> , 29, 112-130	3.7	54
94	Design and development of a fuzzy expert system for hotel selection. <i>Omega</i> , <b>2003</b> , 31, 275-286	7.2	53

93	A causal feature selection algorithm for stock prediction modeling. <i>Neurocomputing</i> , <b>2014</b> , 142, 48-59	5.4	51
92	A qualitative study of information technology adoption: how ten organizations adopted Web-based training. <i>Information Systems Journal</i> , <b>2007</b> , 17, 289-315	5.9	51
91	Decision-making techniques in supplier selection: Recent accomplishments and what lies ahead. <i>Expert Systems With Applications</i> , <b>2020</b> , 140, 112903	7.8	51
90	Role of intrinsic and extrinsic factors in user social media acceptance within workspace: Assessing unobserved heterogeneity. <i>International Journal of Information Management</i> , <b>2017</b> , 37, 1-13	16.4	45
89	Stock trading rule discovery with an evolutionary trend following model. <i>Expert Systems With Applications</i> , <b>2015</b> , 42, 212-222	7.8	45
88	Design and development of a context-aware decision support system for real-time accident handling in logistics. <i>Decision Support Systems</i> , <b>2012</b> , 52, 816-827	5.6	40
87	Big data analytics in operations and supply chain management. <i>Annals of Operations Research</i> , <b>2018</b> , 270, 1-4	3.2	39
86	RFID systems implementation: a comprehensive framework and a case study. <i>International Journal of Production Research</i> , <b>2010</b> , 48, 2583-2612	7.8	39
85	Green Service: Construct Development and Measurement Validation. <i>Production and Operations Management</i> , <b>2016</b> , 25, 432-457	3.6	39
84	A Model of Guanxi Development: Flexibility, Commitment and Capital Exchange. <i>Total Quality Management and Business Excellence</i> , <b>2007</b> , 18, 875-887	2.7	37
83	Explaining Instant Messaging Continuance Intention: The Role of Personality. <i>International Journal of Human-Computer Interaction</i> , <b>2012</b> , 28, 500-510	3.6	35
82	Variable neighborhood search for the heaviest -subgraph. <i>Computers and Operations Research</i> , <b>2009</b> , 36, 2885-2891	4.6	35
81	Customer reviews for demand distribution and sales nowcasting: a big data approach. <i>Annals of Operations Research</i> , <b>2018</b> , 270, 415-431	3.2	34
80	Green Supply Chain Collaboration implementation in China: The mediating role of guanxi. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2014</b> , 71, 98-110	9	33
79	Examining the determinants of outsourcing partnership quality in Chinese small- and medium-sized enterprises. <i>International Journal of Production Research</i> , <b>2010</b> , 48, 453-475	7.8	32
78	Implementation of EDI in Hong Kong: an empirical analysis. <i>Industrial Management and Data Systems</i> , <b>2004</b> , 104, 88-100	3.6	32
77	Data mining for selection of insurance sales agents. <i>Expert Systems</i> , <b>2003</b> , 20, 123-132	2.1	32
76	RFID value in aircraft parts supply chains: A case study. <i>International Journal of Production Economics</i> , <b>2014</b> , 147, 330-339	9.3	31

75	Design and development of an intelligent context-aware decision support system for real-time monitoring of container terminal operations. <i>International Journal of Production Research</i> , <b>2011</b> , 49, 3501-3526	7.8	30
74	A fuzzy QFD program modelling approach using the method of imprecision. <i>International Journal of Production Research</i> , <b>2008</b> , 46, 6823-6840	7.8	30
73	Distribution network design with big data: model and analysis. <i>Annals of Operations Research</i> , <b>2018</b> , 270, 539-551	3.2	29
72	An investigation of the relationships between organizational factors, business process improvement, and ERP success. <i>Benchmarking</i> , <b>2007</b> , 14, 387-406	4	29
71	A note on big data analytics capability development in supply chain. <i>Decision Support Systems</i> , <b>2020</b> , 138, 113382	5.6	29
70	Critical review of supply chain innovation research (1999-2016). <i>Industrial Marketing Management</i> , <b>2019</b> , 82, 158-187	6.9	28
69	Disruptive information technology innovations and the cost of equity capital: The moderating effect of CEO incentives and institutional pressures. <i>Information and Management</i> , <b>2016</b> , 53, 345-354	6.6	27
68	Development of the conceptual model of energy and utility management in textile processing: A soft systems approach. <i>International Journal of Production Economics</i> , <b>2012</b> , 135, 607-617	9.3	27
67	Managing RFID projects in organizations. <i>European Journal of Information Systems</i> , <b>2009</b> , 18, 534-540	6.4	27
66	An integrative framework for intelligent software project risk planning. <i>Decision Support Systems</i> , <b>2013</b> , 55, 927-937	5.6	26
65	Expert systems and artificial intelligence in the 21st century logistics and supply chain management. <i>Expert Systems With Applications</i> , <b>2014</b> , 41, 1-4	7.8	25
64	A qualitative study of inter-organizational knowledge management in complex products and systems development. <i>R and D Management</i> , <b>2008</b> , 38, 421-440	4.1	25
63	Reprint of Green Supply Chain Collaboration implementation in China: The mediating role of guanxi. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2015</b> , 74, 37-49	9	24
62	A scalable intelligent non-content-based spam-filtering framework. <i>Expert Systems With Applications</i> , <b>2010</b> , 37, 8557-8565	7.8	24
61	Understanding mobile health service use: An investigation of routine and emergency use intentions. <i>International Journal of Information Management</i> , <b>2019</b> , 45, 107-117	16.4	24
60	E-commerce in Hong Kong: an empirical perspective and analysis. <i>Internet Research</i> , <b>2005</b> , 15, 141-159	4.8	23
59	Toward a real-time and budget-aware task package allocation in spatial crowdsourcing. <i>Decision Support Systems</i> , <b>2018</b> , 110, 107-117	5.6	22
58	The Impact of RFID Adoption on the Market Value of Firms: An Empirical Analysis. <i>Journal of Organizational Computing and Electronic Commerce</i> , <b>2011</b> , 21, 268-294	1.8	22

57	Importance of issues related to RFID-enabled healthcare transformation projects: results from a Delphi study. <i>Production Planning and Control</i> , <b>2015</b> , 26, 19-33	4.3	21
56	Business sustainability and corporate social responsibility: case studies of three gas operators in China. <i>International Journal of Production Research</i> , <b>2018</b> , 56, 660-676	7.8	21
55	Analytic collaboration in virtual innovation projects. <i>Journal of Business Research</i> , <b>2011</b> , 64, 1327-1334	8.7	21
54	What Makes Customers Discontent with Service Providers? An Empirical Analysis of Complaint Handling in Information and Communication Technology Services. <i>Journal of Business Ethics</i> , <b>2010</b> , 91, 73-110	4.3	21
53	An examination of the long-term business value of investments in information technology. <i>Information Systems Frontiers</i> , <b>2019</b> , 21, 213-227	4	20
52	Variable neighborhood search for harmonic means clustering. <i>Applied Mathematical Modelling</i> , <b>2011</b> , 35, 2688-2694	4.5	18
51	The Mediating Effects of Perceived Value and Customer Satisfaction on Customer Loyalty in the Chinese Restaurant Setting. <i>Journal of Quality Assurance in Hospitality and Tourism</i> , <b>2008</b> , 9, 85-107	2	18
50	An empirical analysis of inter-organisational value co-creation in a supply chain: a process perspective. <i>Production Planning and Control</i> , <b>2015</b> , 26, 969-980	4.3	17
49	Platform based innovation: The case of Bosch India. <i>International Journal of Production Economics</i> , <b>2016</b> , 171, 250-265	9.3	16
48	Decision support systems for logistics and supply chain management. <i>Decision Support Systems</i> , <b>2012</b> , 52, 777-778	5.6	16
47	RFID technology and applications in production and supply chain management. <i>International Journal of Production Research</i> , <b>2010</b> , 48, 2481-2483	7.8	16
46	Big data analytics in electronic markets. <i>Electronic Markets</i> , <b>2017</b> , 27, 243-245	4.8	15
45	An empirical study of payment technologies, the psychology of consumption, and spending behavior in a retailing context. <i>Information and Management</i> , <b>2019</b> , 56, 329-342	6.6	15
44	Cost-sensitive and ensemble-based prediction model for outsourced software project risk prediction. <i>Decision Support Systems</i> , <b>2015</b> , 72, 11-23	5.6	15
43	Dynamic Business Network Analysis for Correlated Stock Price Movement Prediction. <i>IEEE Intelligent Systems</i> , <b>2015</b> , 30, 26-33	4.2	14
42	The future of operations management: An outlook and analysis. <i>International Journal of Production Economics</i> , <b>2011</b> , 135, 687-687	9.3	14
41	Importance of the internet to human resource practitioners in Hong Kong. <i>Personnel Review</i> , <b>2007</b> , 37, 66-84	2.4	13
40	Managing digital enterprise. <i>International Journal of Business Information Systems</i> , <b>2007</b> , 2, 266	0.6	13

39	Impact of Service-Dominant Orientation on the Innovation Performance of Technology Firms: Roles of Knowledge Sharing and Relationship Learning. <i>Decision Sciences</i> , <b>2020</b> , 51, 620-654	3.7	13
38	Internet of Things in healthcare: the case of RFID-enabled asset management. <i>International Journal of Biomedical Engineering and Technology</i> , <b>2013</b> , 11, 318	1.3	12
37	Is customer loyalty vulnerability-based? An empirical study of a Chinese capital-intensive manufacturing industry. <i>Industrial Marketing Management</i> , <b>2009</b> , 38, 83-93	6.9	12
36	Measuring global production involvement: an exploratory study of Hong Kong clothing manufacturers. <i>Journal of the Textile Institute</i> , <b>2009</b> , 100, 475-485	1.5	12
35	Design and development of a corporate sustainability index platform for corporate sustainability performance analysis. <i>Journal of Engineering and Technology Management - JET-M</i> , <b>2014</b> , 34, 63-77	3.7	11
34	IT Business Value Research. <i>International Journal of Enterprise Information Systems</i> , <b>2005</b> , 1, 35-55	1.1	11
33	Scientific data-driven evaluation on academic articles of low-carbon economy. <i>Energy Policy</i> , <b>2019</b> , 125, 358-367	7.2	11
32	Deep learning in computer vision: A critical review of emerging techniques and application scenarios. <i>Machine Learning With Applications</i> , <b>2021</b> , 6, 100134	6.5	11
31	Managing Software Outsourcing Relationships in Emerging Economies: An Empirical Study of the Chinese Small- and Medium-Sized Enterprises. <i>IEEE Transactions on Engineering Management</i> , <b>2011</b> , 58, 730-742	2.6	10
30	Design and Implementation of a Supply Chain Learning Platform. <i>Journal of Educational Computing Research</i> , <b>2012</b> , 47, 293-327	3.8	10
29	Potential risks to e-commerce development using exploratory factor analysis. <i>International Journal of Services, Technology and Management</i> , <b>2005</b> , 6, 55	0.2	10
28	ICADS: Intelligent Car Audio Design System for product planning. <i>Expert Systems</i> , <b>1999</b> , 16, 19-32	2.1	10
27	Dynamic tolerant skyline operation for decision making. <i>Expert Systems With Applications</i> , <b>2014</b> , 41, 6890-6903	7.6	9
26	R&D framework for an intelligent fabric sample management system. <i>International Journal of Operations and Production Management</i> , <b>2010</b> , 30, 721-743	6.8	9
25	Mobile commerce: Strategies, technologies, and applications. <i>Decision Support Systems</i> , <b>2007</b> , 43, 1-2	5.6	9
24	Learning Context-Sensitive Domain Ontologies from Folksonomies: A Cognitively Motivated Method. <i>INFORMS Journal on Computing</i> , <b>2015</b> , 27, 561-578	2.4	8
23	Importance of the Relative Advantage of RFID as Enabler of Asset Management in the Healthcare: Results from a Delphi Study <b>2012</b> ,		8
22	Development of a web-based system for supporting sales in a mineral water manufacturing firm: A case study. <i>International Journal of Production Economics</i> , <b>2003</b> , 83, 153-167	9.3	8



21	The mitigating role of blockchain-enabled supply chains during the COVID-19 pandemic. <i>International Journal of Operations and Production Management</i> , <b>2021</b> , ahead-of-print,	6.8	8
20	Does mandated RFID affect firm risk? The moderating role of top management team heterogeneity. <i>International Journal of Production Economics</i> , <b>2019</b> , 210, 84-96	9.3	6
19	Electronic Learning Systems in Hong Kong Business Organizations: A Study of Early and Late Adopters. <i>Journal of Education for Business</i> , <b>2012</b> , 87, 170-177	1.1	6
18	Learning in introductory e-commerce: A project-based teamwork approach. <i>Computers and Education</i> , <b>2007</b> , 48, 17-29	9.5	6
17	Decision model for complex group argumentation. <i>Expert Systems With Applications</i> , <b>2016</b> , 45, 223-233	7.8	5
16	Friend recommendation for healthy weight in social networks. <i>Industrial Management and Data Systems</i> , <b>2015</b> , 115, 1251-1268	3.6	4
15	Knowledge and information technology management in supply chain integration. <i>International Journal of Production Research</i> , <b>2007</b> , 45, 2387-2389	7.8	4
14	Quality management framework for a virtual enterprise network: a multi-agent approach. <i>Managing Service Quality</i> , <b>2003</b> , 13, 300-309		4
13	Application of the workflow management system in electronic commerce: a case study. <i>International Journal of Business Information Systems</i> , <b>2005</b> , 1, 182	0.6	4
12	EXSGACM: An expert system for gas crisis management. <i>Expert Systems With Applications</i> , <b>1996</b> , 10, 75-90	9.8	4
11	Forced to be green? The performance impact of energy-efficient systems under institutional pressures. <i>International Journal of Production Economics</i> , <b>2021</b> , 239, 108213	9.3	4
10	Computer-based technologies to support operations management in Hong Kong. <i>International Journal of Operations and Production Management</i> , <b>1998</b> , 18, 654-660	6.8	3
9	MSS4TQM-a management support system for total quality management. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , <b>1999</b> , 29, 371-386		3
8	Design and Development of Intelligent Decision Support Prototype System for Social Media Competitive Analysis in Fashion Industry. <i>Journal of Organizational and End User Computing</i> , <b>2016</b> , 28, 13-32	6.2	3
7	Electronic learning systems: an analysis of the characteristics of adopters and non-adopters. <i>International Journal of Innovation and Learning</i> , <b>2008</b> , 5, 664	0.6	2
6	Virtual Distribution Systems: an integrated model with research initiatives. <i>International Journal of Logistics Systems and Management</i> , <b>2008</b> , 4, 61	0.7	2
5	The variable precision method for elicitation of probability weighting functions. <i>Decision Support Systems</i> , <b>2020</b> , 128, 113166	5.6	2
4	IT Infrastructure Capabilities and Business Process Improvements	457-479	1

- 3 Machine learning in marketing: A literature review, conceptual framework, and research agenda.  
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- 2 Design and Development of Intelligent Decision Support Prototype System for Social Media  
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- 1 Research Issues of the IT Productivity Paradox 20-62