

Richard Y K Fung

List of Publications by Year in descending order

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113
papers

3,501
citations

230014

27
h-index

175968

55
g-index

113
all docs

113
docs citations

113
times ranked

2347
citing authors

#	ARTICLE	IF	CITATIONS
1	The order and transshipment decisions in a two-location inventory system with demand forecast updates. <i>Computers and Industrial Engineering</i> , 2019, 135, 53-66.	3.4	11
2	Optimal Scheduling of the Reentrant Multi-Degree Cyclic Multi-Hoist Scheduling Problem. , 2019, , .		0
3	Approximate dynamic programming approaches for appointment scheduling with patient preferences. <i>Artificial Intelligence in Medicine</i> , 2018, 85, 16-25.	3.8	18
4	A dynamic scheduling algorithm for single-arm two-cluster tools with flexible processing times. <i>Engineering Optimization</i> , 2018, 50, 329-346.	1.5	1
5	Comparison of information security decisions under different security and business environments. <i>Journal of the Operational Research Society</i> , 2018, 69, 747-761.	2.1	14
6	Quality Investing and Pricing Strategies by Startups: Impacts of Demand Uncertainties and Capital Constraint. <i>Discrete Dynamics in Nature and Society</i> , 2018, 2018, 1-13.	0.5	3
7	On equilibrium performance assurance with costly monitoring. <i>Expert Systems With Applications</i> , 2018, 110, 93-105.	4.4	1
8	EMC environmental survey of railway systems. , 2018, , .		4
9	Optimizing truck scheduling in a cross-docking system with preemption and unloading/loading sequence constraint. , 2018, , .		1
10	Optimal Multi-Degree Cyclic Solution of Multi-Hoist Scheduling Without Overlapping. <i>IEEE Transactions on Automation Science and Engineering</i> , 2017, 14, 1064-1074.	3.4	6
11	Optimal Ordering and Pricing Policies for Seasonal Products: Impacts of Demand Uncertainty and Capital Constraint. <i>Discrete Dynamics in Nature and Society</i> , 2016, 2016, 1-13.	0.5	5
12	Optimal K-unit cycle scheduling of two-cluster tools with residency constraints and general robot moving times. <i>Journal of Scheduling</i> , 2016, 19, 165-176.	1.3	12
13	Dynamic appointment scheduling with patient preferences and choices. <i>Industrial Management and Data Systems</i> , 2015, 115, 700-717.	2.2	20
14	Comparison of Traditional and Open-Access Appointment Scheduling for Exponentially Distributed Service Time. <i>Journal of Healthcare Engineering</i> , 2015, 6, 345-376.	1.1	4
15	Simulation-Based Optimization for Surgery Scheduling in Operation Theatre Management Using Response Surface Method. <i>Journal of Medical Systems</i> , 2015, 39, 159.	2.2	15
16	Adaptive dynamic programming algorithms for sequential appointment scheduling with patient preferences. <i>Artificial Intelligence in Medicine</i> , 2015, 63, 33-40.	3.8	21
17	Dynamic scheduling of photolithography process based on Kohonen neural network. <i>Journal of Intelligent Manufacturing</i> , 2015, 26, 73-85.	4.4	11
18	An available-to-promise decision support system for a multi-site make-to-order production system. <i>International Journal of Production Research</i> , 2014, 52, 4253-4266.	4.9	15

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19	The development of a supply chain model for tourism crisis management. , 2014, , .		0
20	Stochastic optimization model for order acceptance with multiple demand classes and uncertain demand/supply. Engineering Optimization, 2014, 46, 824-841.	1.5	11
21	A mixed integer linear programming solution for single hoist multi-degree cyclic scheduling with reentrance. Engineering Optimization, 2014, 46, 704-723.	1.5	25
22	An option-based hedging mechanism for managing the risk of overbooking in parallel airline alliances. Transportation Research, Part E: Logistics and Transportation Review, 2014, 70, 146-162.	3.7	8
23	A column-generation-based heuristic algorithm for solving operating theater planning problem under stochastic demand and surgery cancellation risk. International Journal of Production Economics, 2014, 158, 28-36.	5.1	60
24	An Integer Programming Formulation for Outpatient Scheduling with Patient Preference. Industrial Engineering and Management Systems, 2014, 13, 193-202.	0.3	8
25	A mixed integer linear programming approach for multi-degree cyclic multi-hoist scheduling problems without overlapping. , 2013, , .		4
26	A memetic algorithm for the open capacitated arc routing problem. Transportation Research, Part E: Logistics and Transportation Review, 2013, 50, 53-67.	3.7	27
27	Identifying helpful online reviews: A product designer's perspective. CAD Computer Aided Design, 2013, 45, 180-194.	1.4	133
28	A multi-agent system to support heuristic-based dynamic manufacturing rescheduling. Intelligent Decision Technologies, 2013, 7, 197-211.	0.6	7
29	Design and analysis of optimal incentive contracts between fourth-party and third-party logistics providers. , 2012, , .		3
30	Available-to-promise model for a multi-site supply chain. , 2012, , .		2
31	Multi-objective optimal cross-training configuration models for an assembly cell using non-dominated sorting genetic algorithm-II. International Journal of Computer Integrated Manufacturing, 2012, 25, 981-995.	2.9	20
32	A Multi-Agent System for Dynamic Integrated Process Planning and Scheduling Using Heuristics. Lecture Notes in Computer Science, 2012, , 309-318.	1.0	6
33	An events-driven scheduling algorithm for two-cluster tools with processing time windows. , 2011, , .		1
34	A SCATTER SEARCH FOR MULTI-DEPOT VEHICLE ROUTING PROBLEM WITH WEIGHT-RELATED COST. Asia-Pacific Journal of Operational Research, 2011, 28, 323-348.	0.9	25
35	Modelling approach and behaviour analysis of manufacturing resources in virtual cellular manufacturing systems using resource element concept. International Journal of Computer Integrated Manufacturing, 2011, 24, 1168-1182.	2.9	11
36	Berth allocation considering fuel consumption and vessel emissions. Transportation Research, Part E: Logistics and Transportation Review, 2011, 47, 1021-1037.	3.7	205

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37	Design Preference Centered Review Recommendation: A Similarity Learning Approach. , 2011, , .		0
38	Integrated process planning and scheduling by an agent-based ant colony optimization. Computers and Industrial Engineering, 2010, 59, 166-180.	3.4	134
39	Two-phase heuristic algorithms for full truckloads multi-depot capacitated vehicle routing problem in carrier collaboration. Computers and Operations Research, 2010, 37, 950-959.	2.4	74
40	KNOWLEDGE SECURITY FOR HOSPITALITY INDUSTRY. , 2010, , .		0
41	An Incremental Approach for Model-Based Test Suite Reduction Using Formal Concept Analysis. , 2009, , .		1
42	A multi-depot vehicle routing problem with weight-related costs. , 2009, , .		2
43	Chinese MPEG-21 Rights Expression Language: Enhancing Digital Rights Management Adoption to Digital Libraries in Hong Kong. , 2009, , .		1
44	Synchronization of inventory and transportation under flexible vehicle constraint: A heuristics approach using sliding windows and hierarchical tree structure. European Journal of Operational Research, 2009, 192, 824-836.	3.5	12
45	Vehicle routing problem with fuzzy time windows. Fuzzy Sets and Systems, 2009, 160, 683-695.	1.6	92
46	Performance modeling, real-time dispatching and simulation of wafer fabrication systems using timed extended object-oriented Petri nets. Computers and Industrial Engineering, 2009, 56, 121-137.	3.4	18
47	An immune-genetic algorithm for introduction planning of new products. Computers and Industrial Engineering, 2009, 56, 902-917.	3.4	16
48	Application of Formal Concept Analysis in Model-Based Testing. Communications in Computer and Information Science, 2009, , 110-123.	0.4	1
49	A multi-stage methodology for virtual cell formation oriented agile manufacturing. International Journal of Advanced Manufacturing Technology, 2008, 36, 798-810.	1.5	27
50	An agent-based infrastructure for virtual enterprises using Web-Services standards. International Journal of Advanced Manufacturing Technology, 2008, 39, 612-622.	1.5	12
51	Model-Based Test Suite Reduction with Concept Lattice. , 2008, , .		2
52	Knowledge-Centric Information Security. , 2008, , .		1
53	Kinematic templates. , 2008, , .		13
54	Industrial waste recycling strategies optimization problem: mixed integer programming model and heuristics. Engineering Optimization, 2008, 40, 1085-1100.	1.5	16

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55	A hybrid control architecture and coordination mechanism in virtual manufacturing enterprise. International Journal of Production Research, 2008, 46, 3641-3663.	4.9	10
56	Background analysis for the application of EOQ model in a three-stage steel roller production system with deterministic demands and returns. , 2008, , .		1
57	Fuzzy rule sets for enhancing performance in a supply chain network. Industrial Management and Data Systems, 2008, 108, 947-972.	2.2	23
58	The infrastructure of the timed EOPNs-based multiple-objective real-time scheduling system for 300mm wafer fab. International Journal of Production Research, 2007, 45, 5017-5056.	4.9	9
59	Product Development Cost Estimation in Mass Customization. IEEE Transactions on Engineering Management, 2007, 54, 29-40.	2.4	55
60	A quality-engineering-based approach for conceptual product design. International Journal of Advanced Manufacturing Technology, 2007, 32, 1064-1073.	1.5	12
61	An active styling platform for designing and developing product families. Journal of Intelligent Manufacturing, 2007, 18, 47-58.	4.4	9
62	An agent-based negotiation approach to integrate process planning and scheduling. International Journal of Production Research, 2006, 44, 1331-1351.	4.9	71
63	Rating technical attributes in fuzzy QFD by integrating fuzzy weighted average method and fuzzy expected value operator. European Journal of Operational Research, 2006, 174, 1553-1566.	3.5	144
64	Dynamic shopfloor scheduling in multi-agent manufacturing systems. Expert Systems With Applications, 2006, 31, 486-494.	4.4	135
65	Estimating the functional relationships for quality function deployment under uncertainties. Fuzzy Sets and Systems, 2006, 157, 98-120.	1.6	121
66	Rapid reconfiguration of job shop production control system based on soft components technology. International Journal of Advanced Manufacturing Technology, 2006, 30, 1154-1164.	1.5	3
67	Integrated process planning and scheduling/rescheduling—an agent-based approach. International Journal of Production Research, 2006, 44, 3627-3655.	4.9	96
68	A Framework of Product Styling Platform Using Case-based Styling Indexing. , 2006, , 209-218.		0
69	A Genetic Algorithm for the Batch Scheduling with Sequence-Dependent Setup Times. , 2006, , 1137-1144.		0
70	New product introduction planning using a 0-1 semi-infinite programming model. Production Planning and Control, 2005, 16, 12-20.	5.8	9
71	A virtual case benchmarking scheme for vendors' performance assessment. Benchmarking, 2005, 12, 61-80.	2.9	20
72	A multiagent supply chain planning and coordination architecture. International Journal of Advanced Manufacturing Technology, 2005, 25, 811-819.	1.5	47

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73	Modeling of large-scale complex re-entrant manufacturing systems by extended object-oriented Petri nets. International Journal of Advanced Manufacturing Technology, 2005, 27, 190-204.	1.5	17
74	A fuzzy expected value-based goal programming model for product planning using quality function deployment. Engineering Optimization, 2005, 37, 633-645.	1.5	36
75	Modelling of semiconductor wafer fabrication systems by extended object-oriented Petri nets. International Journal of Production Research, 2005, 43, 471-495.	4.9	18
76	Fuzzy expected value modelling approach for determining target values of engineering characteristics in QFD. International Journal of Production Research, 2005, 43, 3583-3604.	4.9	91
77	A Framework of Product Styling Platform Approach: Styling as Intangible Modules. Concurrent Engineering Research and Applications, 2004, 12, 89-103.	2.0	13
78	Fuzzy regression-based mathematical programming model for quality function deployment. International Journal of Production Research, 2004, 42, 1009-1027.	4.9	130
79	Approach of just-in-time distribution requirements planning for supply chain management. International Journal of Production Economics, 2004, 91, 101-107.	5.1	51
80	Development of a dynamic data interchange scheme to support product design in agile manufacturing. International Journal of Production Economics, 2004, 87, 295-308.	5.1	25
81	An XML-based real-time quality measurement scheme. Industrial Management and Data Systems, 2004, 104, 505-512.	2.2	4
82	Modelling of quality function deployment planning with resource allocation. Research in Engineering Design - Theory, Applications, and Concurrent Engineering, 2003, 14, 247-255.	1.2	64
83	Computer-Aided Customer Interface for Rapid Product Development. International Journal of Advanced Manufacturing Technology, 2003, 21, 743-753.	1.5	18
84	An adaptive agile manufacturing control infrastructure based on TOPNs-CS modelling. International Journal of Advanced Manufacturing Technology, 2003, 22, 191-215.	1.5	19
85	Supply chain workflow modelling using XML-formatted modular petri nets. International Journal of Advanced Manufacturing Technology, 2003, 22, 587-601.	1.5	15
86	Automatic Modelling of One-of-a-Kind Production Systems by Temporised Object-Oriented Petri Nets with Changeable Structure (TOPNs-CS). International Journal of Advanced Manufacturing Technology, 2003, 21, 45-65.	1.5	6
87	Petri Net-based workflow management systems for in-process control in a plastic processing plant. Journal of Materials Processing Technology, 2003, 139, 302-309.	3.1	10
88	Multiproduct aggregate production planning with fuzzy demands and fuzzy capacities. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2003, 33, 302-313.	3.4	70
89	Multiproduct aggregate production planning with fuzzy demands and fuzzy capacities. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2003, 33, 663-663.	3.4	0
90	Fuzzy modelling and simulation for aggregate production planning. International Journal of Systems Science, 2003, 34, 661-673.	3.7	27

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91	Adaptive production scheduling of virtual production systems using object-oriented Petri nets with changeable structure. International Journal of Production Research, 2002, 40, 1759-1785.	4.9	16
92	Product design resources optimization using a non-linear fuzzy quality function deployment model. International Journal of Production Research, 2002, 40, 585-599.	4.9	112
93	Extension of a hybrid Genetic Algorithm for nonlinear programming problems with equality and inequality constraints. Computers and Operations Research, 2002, 29, 261-274.	2.4	44
94	A new approach to quality function deployment planning with financial consideration. Computers and Operations Research, 2002, 29, 1447-1463.	2.4	132
95	Formulation of general possibilistic linear programming problems for complex industrial systems. Fuzzy Sets and Systems, 2001, 119, 41-48.	1.6	20
96	An intelligent information framework relating customer requirements and product characteristics. Computers in Industry, 2001, 44, 51-65.	5.7	99
97	Colored Petri Nets with changeable structures (CPN-CS) and their applications in modeling one-of-a-kind production (OKP) systems. Computers and Industrial Engineering, 2001, 41, 279-308.	3.4	23
98	Stable factorized quasi-Newton methods for nonlinear least-squares problems. Journal of Computational and Applied Mathematics, 2001, 129, 1-14.	1.1	5
99	Principles of deflection-curvature measurement. Measurement Science and Technology, 2001, 12, 1983-1989.	1.4	24
100	(T, S) policy for coordinated inventory replenishment systems under compound Poisson demands. Production Planning and Control, 2001, 12, 575-583.	5.8	13
101	Performance Modelling of Complex Dynamic Production Systems Using Temporised Object-Oriented Petri Nets with Changeable Structure (TOPNs-CS). International Journal of Advanced Manufacturing Technology, 2000, 16, 521-536.	1.5	13
102	Design of maintenance system in MRPII. Journal of Quality in Maintenance Engineering, 2000, 6, 177-191.	1.0	16
103	A human - computer interactive approach based on activity - section analysis for BPR. Production Planning and Control, 2000, 11, 789-796.	5.8	12
104	Development of Parking Demand Models in Hong Kong. Journal of the Urban Planning and Development Division, ASCE, 2000, 126, 55-74.	0.8	37
105	Temporized coloured Petri nets with changeable structure (CPN-CS) for performance modelling of dynamic production systems. International Journal of Production Research, 2000, 38, 1917-1945.	4.9	24
106	Fuzzy formulation for multi-product aggregate production planning. Production Planning and Control, 2000, 11, 670-676.	5.8	62
107	An Investigation of Stochastic Analysis of Flexible Manufacturing Systems Simulation. International Journal of Advanced Manufacturing Technology, 1999, 15, 244-250.	1.5	13
108	Object-Oriented Petri Nets with Changeable Structure (OPNs-CS) for Production System Modelling. International Journal of Advanced Manufacturing Technology, 1999, 15, 445-459.	1.5	32

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109	Cost engineering with quality function deployment. Computers and Industrial Engineering, 1998, 35, 587-590.	3.4	74
110	Model and method based on GA for nonlinear programming problems with fuzzy objective and resources. International Journal of Systems Science, 1998, 29, 907-913.	3.7	25
111	An intelligent hybrid system for customer requirements analysis and product attribute targets determination. International Journal of Production Research, 1998, 36, 13-34.	4.9	171
112	THE HONG KONG PARKING DEMAND STUDY.. Proceedings of the Institution of Civil Engineers: Transport, 1998, 129, 218-227.	0.3	9
113	Rapid one-of-a-kind product development via the Internet: a literature review of the state-of-the-art and a proposed platform. , 0, .		6