

Sai-Ho Chung

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

90 papers	3,221 citations	29 h-index	55 g-index
95 ext. papers	3,947 ext. citations	6.5 avg, IF	5.89 L-index

#	Paper	IF	Citations
90	Financial Assistance in a Capital-Constrained Cellphone Supply Chain. <i>IFIP Advances in Information and Communication Technology</i> , 2022 , 74-83	0.5	
89	Platform Operations in the Industry 4.0 Era: Recent Advances and the 3As Framework. <i>IEEE Transactions on Engineering Management</i> , 2022 , 1-18	2.6	4
88	Two-tier price membership mechanism design based on user profiles. <i>Electronic Commerce Research and Applications</i> , 2022 , 52, 101130	4.6	0
87	Optimal E-tailing channel structure and service contracting in the platform era. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2022 , 160, 102614	9	3
86	The impact of buyback support on financing strategies for a capital-constrained supplier. <i>International Journal of Production Economics</i> , 2022 , 248, 108457	9.3	1
85	Artificial intelligence in safety-critical systems: a systematic review. <i>Industrial Management and Data Systems</i> , 2022 , 122, 442-470	3.6	1
84	Seize the Opportunity of Targeted Marketing Under the Platform Membership Mechanism. <i>IEEE Transactions on Engineering Management</i> , 2022 , 1-15	2.6	0
83	Individual scheduling approach for multi-class airline cabin crew with manpower requirement heterogeneity. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2022 , 163, 102763	9	3
82	Using Blockchain to Improve Buffer-Stock-Sharing and Combat Cheating Behaviors Under Virtual Pooling. <i>IEEE Transactions on Engineering Management</i> , 2021 , 1-18	2.6	1
81	Conventional automotive supply chains under China's dual-credit policy: fuel economy, production and coordination. <i>Energy Policy</i> , 2021 , 151, 112166	7.2	8
80	Novel robotic job-shop scheduling models with deadlock and robot movement considerations. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2021 , 149, 102273	9	4
79	How is China's energy security affected by exogenous shocks? Evidence of China-US trade dispute and COVID-19 pandemic 2021 , 1, 1		0
78	Uncovering insights from healthcare archives to improve operations: An association analysis for cervical cancer screening. <i>Technological Forecasting and Social Change</i> , 2021 , 162, 120375	9.5	5
77	A novel model to manage air cargo disruptions caused by global catastrophes such as Covid-19. <i>Journal of Air Transport Management</i> , 2021 , 95, 102086	5.1	6
76	Hierarchical integrated machine learning model for predicting flight departure delays and duration in series. <i>Transportation Research Part C: Emerging Technologies</i> , 2021 , 129, 103225	8.4	5
75	Applications of smart technologies in logistics and transport: A review. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2021 , 153, 102455	9	15
74	A mixed wholesale-option-contract to fix the demand imbalance between substitutable air cargo routes: A cooperative game approach. <i>Expert Systems With Applications</i> , 2021 , 182, 115300	7.8	1

73	Robust airline crew scheduling with flight flying time variability. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2020 , 144, 102132	9	7
72	A two-stage optimization approach for aircraft hangar maintenance planning and staff assignment problems under MRO outsourcing mode. <i>Computers and Industrial Engineering</i> , 2020 , 146, 106607	6.4	6
71	Combating lead-time uncertainty in global supply chain's shipment-assignment: Is it wise to be risk-averse?. <i>Transportation Research Part B: Methodological</i> , 2020 , 138, 406-434	7.2	15
70	Operational Risk in Airline Crew Scheduling: Do Features of Flight Delays Matter?*. <i>Decision Sciences</i> , 2020 , 51, 1455-1489	3.7	17
69	Data science and analytics in aviation. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2020 , 134, 101837	9	21
68	Pricing with risk sensitive competing container shipping lines: Will risk seeking do more good than harm?. <i>Transportation Research Part B: Methodological</i> , 2020 , 133, 210-229	7.2	27
67	Facility sharing in business-to-business model: A real case study for container terminal operators in Hong Kong port. <i>International Journal of Production Economics</i> , 2020 , 221, 107483	9.3	8
66	Franchising contracts in fashion supply chain operations: models, practices, and real case study. <i>Annals of Operations Research</i> , 2020 , 291, 83-128	3.2	5
65	Optimal Pricing Decisions of Competing Air-Cargo-Carrier SystemsImpacts of Risk Aversion, Demand, and Cost Uncertainties. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 4933-4947	7.3	11
64	The mean-variance approach for global supply chain risk analysis with air logistics in the blockchain technology era. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2019 , 127, 178-191	9	171
63	Price setting for extra-baggage service for a combination carrier using the newsvendor setup. <i>Journal of Air Transport Management</i> , 2019 , 78, 1-14	5.1	4
62	The impacts of time segment modeling in berth allocation and quay crane assignment on terminal efficiency. <i>Industrial Management and Data Systems</i> , 2019 , 119, 968-992	3.6	1
61	Pay upfront or pay later? Fixed royal payment in sustainable fashion brand franchising. <i>International Journal of Production Economics</i> , 2019 , 214, 95-105	9.3	13
60	When should fuzzy analytic hierarchy process be used instead of analytic hierarchy process?. <i>Decision Support Systems</i> , 2019 , 125, 113114	5.6	51
59	A genetic algorithm for optimizing space utilization in aircraft hangar shop. <i>International Transactions in Operational Research</i> , 2019 , 26, 1655-1675	2.9	3
58	Machine learning facilitated business intelligence (Part I). <i>Industrial Management and Data Systems</i> , 2019 , 120, 164-195	3.6	18
57	A novel self-organizing constructive neural network for estimating aircraft trip fuel consumption. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2019 , 132, 72-96	9	14
56	An extra-baggage service price setting with reference to cargo prices using multi-item newsvendor model. <i>Computers and Industrial Engineering</i> , 2019 , 128, 877-885	6.4	2

55	A mathematical model and algorithms for the aircraft hangar maintenance scheduling problem. <i>Applied Mathematical Modelling</i> , 2019 , 67, 491-509	4.5	25
54	Fashion retail supply chain management: A review of operational models. <i>International Journal of Production Economics</i> , 2019 , 207, 34-55	9.3	36
53	An integrated model for berth and yard planning in container terminals with multi-continuous berth layout. <i>Annals of Operations Research</i> , 2019 , 273, 409-431	3.2	12
52	Online-offline fashion franchising supply chains without channel conflicts: Choices on postponement and contracts. <i>International Journal of Production Economics</i> , 2019 , 215, 174-184	9.3	32
51	A model with a solution algorithm for the operational aircraft maintenance routing problem. <i>Computers and Industrial Engineering</i> , 2018 , 120, 346-359	6.4	9
50	Maximizing recyclability and reuse of tertiary packaging in production and distribution network. <i>Resources, Conservation and Recycling</i> , 2018 , 128, 259-266	11.9	14
49	Information system selection for a supply chain based on current trends: the BRIGS approach. <i>Neural Computing and Applications</i> , 2018 , 30, 1619-1633	4.8	4
48	Optimization of product refurbishment in closed-loop supply chain using multi-period model integrated with fuzzy controller under uncertainties. <i>Robotics and Computer-Integrated Manufacturing</i> , 2018 , 50, 1-12	9.2	10
47	Aircraft parking stand allocation problem with safety consideration for independent hangar maintenance service providers. <i>Computers and Operations Research</i> , 2018 , 91, 225-236	4.6	15
46	Joint optimization using a leader-follower Stackelberg game for coordinated configuration of stochastic operational aircraft maintenance routing and maintenance staffing. <i>Computers and Industrial Engineering</i> , 2018 , 125, 46-68	6.4	21
45	The impact of liner shipping unreliability on the production-distribution scheduling of a decentralized manufacturing system. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2018 , 114, 242-269	9	13
44	Cascading Delay Risk of Airline Workforce Deployments with Crew Pairing and Schedule Optimization. <i>Risk Analysis</i> , 2017 , 37, 1443-1458	3.9	30
43	Management of sustainable manufacturing systems-a review on mathematical problems. <i>International Journal of Production Research</i> , 2017 , 55, 1210-1225	7.8	44
42	Forecast-corrected production-inventory control policy in unreliable manufacturing systems. <i>European Journal of Industrial Engineering</i> , 2017 , 11, 569	1.1	
41	A mathematical model for municipal solid waste management - A case study in Hong Kong. <i>Waste Management</i> , 2016 , 58, 430-441	8.6	57
40	Integrated scheduling of a multi-product multi-factory manufacturing system with maritime transport limits. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2015 , 79, 110-127	9	29
39	Optimal multi-degree cyclic scheduling of multiple robots without overlapping in robotic flowshops with parallel machines. <i>Journal of Manufacturing Systems</i> , 2015 , 36, 62-75	9.1	13
38	Decentralised capacitated planning with minimal-information sharing in a 2-echelon supply chain. <i>International Journal of Production Research</i> , 2015 , 53, 4927-4950	7.8	9

37	An integrated closed-loop supply chain model with location allocation problem and product recycling decisions. <i>International Journal of Production Research</i> , 2015 , 53, 3120-3140	7.8	39
36	Mining logistics data to assure the quality in a sustainable food supply chain: A case in the red wine industry. <i>International Journal of Production Economics</i> , 2014 , 152, 200-209	9.3	83
35	Decision-making on multi-mould maintenance in production scheduling. <i>International Journal of Production Research</i> , 2014 , 52, 5640-5655	7.8	10
34	Survey of Green Vehicle Routing Problem: Past and future trends. <i>Expert Systems With Applications</i> , 2014 , 41, 1118-1138	7.8	534
33	Decentralised planning coordination with quantity discount contract in a divergent supply chain. <i>International Journal of Production Research</i> , 2013 , 51, 2776-2789	7.8	19
32	A modified genetic algorithm for maximizing handling reliability and recyclability of distribution centers. <i>Expert Systems With Applications</i> , 2013 , 40, 7588-7595	7.8	18
31	Minimising earliness and tardiness by integrating production scheduling with shipping information. <i>International Journal of Production Research</i> , 2013 , 51, 2253-2267	7.8	22
30	A workload balancing genetic algorithm for the quay crane scheduling problem. <i>International Journal of Production Research</i> , 2013 , 51, 4820-4834	7.8	30
29	Recent research trend of economic-lot scheduling problems. <i>Journal of Manufacturing Technology Management</i> , 2013 , 24, 465-482	7.1	19
28	A joint production scheduling approach considering multiple resources and preventive maintenance tasks. <i>International Journal of Production Research</i> , 2013 , 51, 883-896	7.8	56
27	A modified genetic algorithm for quay crane scheduling operations. <i>Expert Systems With Applications</i> , 2012 , 39, 4213-4221	7.8	57
26	A hybrid case-GA-based decision support model for warehouse operation in fulfilling cross-border orders. <i>Expert Systems With Applications</i> , 2012 , 39, 7015-7028	7.8	14
25	A Two-Level Genetic Algorithm to Determine Production Frequencies for Economic Lot Scheduling Problem. <i>IEEE Transactions on Industrial Electronics</i> , 2012 , 59, 611-619	8.9	33
24	Combining genetic approach and integer programming to solve multi-facility economic lot-scheduling problem. <i>Journal of Intelligent Manufacturing</i> , 2012 , 23, 2397-2405	6.7	9
23	Improving postponement operation in warehouse: an intelligent pick-and-pack decision-support system. <i>International Journal of Production Research</i> , 2012 , 50, 7181-7197	7.8	11
22	A genetic algorithm approach for production scheduling with mould maintenance consideration. <i>International Journal of Production Research</i> , 2012 , 50, 5683-5697	7.8	24
21	The influence of greening the suppliers and green innovation on environmental performance and competitive advantage in Taiwan. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2011 , 47, 822-836	9	519
20	Minimization of Order Tardiness Through Collaboration Strategy in Multifactory Production System. <i>IEEE Systems Journal</i> , 2011 , 5, 40-49	4.3	17

19	A study of distribution center location based on the rough sets and interactive multi-objective fuzzy decision theory. <i>Robotics and Computer-Integrated Manufacturing</i> , 2011 , 27, 426-433	9.2	30
18	Implementation of ERP of the Australian manufacturing companies. <i>Industrial Management and Data Systems</i> , 2011 , 111, 132-145	3.6	16
17	Quality risk in global supply network. <i>Journal of Manufacturing Technology Management</i> , 2011 , 22, 1002-1013	10.13	31
16	A Central Coordination System for managing a large supply base through supply chain collaboration. <i>International Journal of Services, Technology and Management</i> , 2010 , 14, 92	0.2	1
15	A Low-Cost Voltage-to-Current Calibration Technique for Multiple-Sensor Systems. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2010 , 59, 73-77	5.2	4
14	Application of genetic approach for advanced planning in multi-factory environment. <i>International Journal of Production Economics</i> , 2010 , 127, 300-308	9.3	33
13	A modified genetic algorithm approach for scheduling of perfect maintenance in distributed production scheduling. <i>Engineering Applications of Artificial Intelligence</i> , 2009 , 22, 1005-1014	7.2	69
12	Optimization of system reliability in multi-factory production networks by maintenance approach. <i>Expert Systems With Applications</i> , 2009 , 36, 10188-10196	7.8	34
11	Development of an OLAP Based Fuzzy Logic System for Supporting Put Away Decision. <i>International Journal of Engineering Business Management</i> , 2009 , 1, 13	1.9	3
10	An introduction of dominant genes in genetic algorithm for FMS. <i>International Journal of Production Research</i> , 2008 , 46, 4369-4389	7.8	32
9	Application of genetic algorithms with dominant genes in a distributed scheduling problem in flexible manufacturing systems. <i>International Journal of Production Research</i> , 2006 , 44, 523-543	7.8	57
8	Solving distributed FMS scheduling problems subject to maintenance: Genetic algorithms approach. <i>Robotics and Computer-Integrated Manufacturing</i> , 2006 , 22, 493-504	9.2	99
7	Optimization of Order Fulfillment in Distribution Network Problems. <i>Journal of Intelligent Manufacturing</i> , 2006 , 17, 307-319	6.7	42
6	An adaptive genetic algorithm with dominated genes for distributed scheduling problems. <i>Expert Systems With Applications</i> , 2005 , 29, 364-371	7.8	136
5	Multicriterion genetic optimization for due date assigned distribution network problems. <i>Decision Support Systems</i> , 2005 , 39, 661-675	5.6	59
4	Multi-criteria genetic optimization for distribution network problems. <i>International Journal of Advanced Manufacturing Technology</i> , 2004 , 24, 517-532	3.2	52
3	A multi-criterion genetic algorithm for order distribution in a demand driven supply chain. <i>International Journal of Computer Integrated Manufacturing</i> , 2004 , 17, 339-351	4.3	61
2	A heuristic methodology for order distribution in a demand driven collaborative supply chain. <i>International Journal of Production Research</i> , 2004 , 42, 1-19	7.8	106

1	Insurance incentive to shippers by a container port: Issues of risk management in supply chain finance. <i>Annals of Operations Research</i> ,1	3.2	1
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