

# Kam Hung Ng

## List of Publications by Year in descending order

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43  
papers

1,377  
citations

535685

17  
h-index

466096

32  
g-index

43  
all docs

43  
docs citations

43  
times ranked

1023  
citing authors

#	ARTICLE	IF	CITATIONS
1	Emission-aware adjustable robust flight path planning with respect to fuel and contrail cost. <i>Transportmetrica B</i> , 2023, 11, 24-68.	1.4	2
2	The impacts of longitudinal separation, efficiency loss, and cruise speed adjustment in robust terminal traffic flow problem under uncertainty. <i>Transportation Letters</i> , 2023, 15, 584-607.	1.8	1
3	The impact of heterogeneous arrival and departure rates of flights on runway configuration optimization. <i>Transportation Letters</i> , 2022, 14, 215-226.	1.8	9
4	Edge intelligence and agnostic robotic paradigm in resource synchronisation and sharing in flexible robotic and facility control system. <i>Advanced Engineering Informatics</i> , 2022, 52, 101530.	4.0	17
5	An Evolutionary Algorithm in Static Airport Gate Assignment Problem. <i>Open Transportation Journal</i> , 2022, 16, .	0.4	3
6	A user-centric design approach for smart product-service systems using virtual reality: A case study. <i>Journal of Cleaner Production</i> , 2021, 280, 124413.	4.6	53
7	American sign language recognition and training method with recurrent neural network. <i>Expert Systems With Applications</i> , 2021, 167, 114403.	4.4	67
8	A systematic literature review on intelligent automation: Aligning concepts from theory, practice, and future perspectives. <i>Advanced Engineering Informatics</i> , 2021, 47, 101246.	4.0	78
9	Mathematical programming formulations for robust airside terminal traffic flow optimisation problem. <i>Computers and Industrial Engineering</i> , 2021, 154, 107119.	3.4	18
10	A human-centred approach based on functional near-infrared spectroscopy for adaptive decision-making in the air traffic control environment: A case study. <i>Advanced Engineering Informatics</i> , 2021, 49, 101325.	4.0	28
11	Post disaster adaptation management in airport: A coordination of runway and hangar resources for relief cargo transports. <i>Advanced Engineering Informatics</i> , 2021, 50, 101403.	4.0	12
12	Cooperative surveillance systems and digital-technology enabler for a real-time standard terminal arrival schedule displacement. <i>Advanced Engineering Informatics</i> , 2021, 50, 101402.	4.0	19
13	A Digital Twin-Based Platform towards Intelligent Automation with Virtual Counterparts of Flight and Air Traffic Control Operations. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10923.	1.3	14
14	An ADS-B Aided Dynamic Traffic Alert for Robust Safety Assessment in Controlled Airspace. , 2021, , .		0
15	Situational Awareness and Flight Approach Phase Event Recognition Based on Psychophysiological Measurements. , 2021, , .		3
16	Multi-Objective Flight Altitude Decision Considering Contrails, Fuel Consumption and Flight Time. <i>Sustainability</i> , 2020, 12, 6253.	1.6	15
17	System Dynamic Modelling of Patient Flow and Transferral Problem in a Mixed Public-Private Healthcare System: A Case Study of Hong Kong SAR. <i>Journal of Systems Science and Systems Engineering</i> , 2020, 29, 590-608.	0.8	5
18	Cloud-Based Cyber-Physical Robotic Mobile Fulfillment Systems: A Case Study of Collision Avoidance. <i>IEEE Access</i> , 2020, 8, 89318-89336.	2.6	38

#	ARTICLE	IF	CITATIONS
19	Design of a Smart Manufacturing System With the Application of Multi-Access Edge Computing and Blockchain Technology. IEEE Access, 2020, 8, 28659-28667.	2.6	47
20	A two-stage robust optimisation for terminal traffic flow problem. Applied Soft Computing Journal, 2020, 89, 106048.	4.1	44
21	The Prediction of Flight Delay: Big Data-driven Machine Learning Approach. , 2020, , .		8
22	A Large Neighbourhood Search Approach to Airline Schedule Disruption Recovery Problem. , 2020, , .		3
23	In-Plant Logistics Simulation Model for the Catering Service Industry Towards Sustainable Development: A Case Study. Sustainability, 2019, 11, 3655.	1.6	9
24	Smart robotic mobile fulfillment system with dynamic conflict-free strategies considering cyber-physical integration. Advanced Engineering Informatics, 2019, 42, 100998.	4.0	61
25	Design of An Integration Model for Air Cargo Transportation Network Design and Flight Route Selection. Sustainability, 2019, 11, 5197.	1.6	13
26	An Alternative Path Modelling Method for Air Traffic Flow Problem in Near Terminal Control Area. , 2019, , .		5
27	A system dynamics model for evaluating food waste management in Hong Kong, China. Journal of Material Cycles and Waste Management, 2019, 21, 433-456.	1.6	34
28	Review on meta-heuristics approaches for airside operation research. Applied Soft Computing Journal, 2018, 66, 104-133.	4.1	86
29	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
30	An Empirical Study on Patients' Acceptance and Resistance Towards Electronic Health Record Sharing System. International Journal of Knowledge and Systems Science, 2018, 9, 1-27.	0.5	8
31	Simulation-based Multiple Automated Guided Vehicles Considering Charging and Collision-free Requirements in Automatic Warehouse. , 2018, , .		12
32	Smart City Application and Analysis: Real-time Urban Drainage Monitoring by IoT Sensors: A Case Study of Hong Kong. , 2018, , .		29
33	A multi-group analysis of social media engagement and loyalty constructs between full-service and low-cost carriers in Hong Kong. Journal of Air Transport Management, 2018, 73, 46-57.	2.4	43
34	Development of an industrial Internet of things suite for smart factory towards re-industrialization. Advances in Manufacturing, 2017, 5, 335-343.	3.2	67
35	Robust aircraft sequencing and scheduling problem with arrival/departure delay using the min-max regret approach. Transportation Research, Part E: Logistics and Transportation Review, 2017, 106, 115-136.	3.7	94
36	A robust optimisation approach to the aircraft sequencing and scheduling problem with runway configuration planning. , 2017, , .		8

#	ARTICLE	IF	CITATIONS
37	Aircraft Scheduling Considering Discrete Airborne Delay and Holding Pattern in the Near Terminal Area. Lecture Notes in Computer Science, 2017, , 567-576.	1.0	7
38	A multiple colonies artificial bee colony algorithm for a capacitated vehicle routing problem and re-routing strategies under time-dependent traffic congestion. Computers and Industrial Engineering, 2017, 109, 151-168.	3.4	105
39	Big Data Analytics for Predictive Maintenance Strategies. Advances in Logistics, Operations, and Management Science Book Series, 2017, , 50-74.	0.3	28
40	Robust Parallel Machine Scheduling Problem with Uncertainties and Sequence-Dependent Setup Time. Scientific Programming, 2016, 2016, 1-13.	0.5	17
41	A modified Variable Neighborhood Search for aircraft Landing Problem. , 2016, , .		5
42	Makespan minimization in aircraft landing problem under congested traffic situation using modified artificial bee colony algorithm. , 2016, , .		11
43	Design and development of a performance evaluation system for the aircraft maintenance industry. , 2015, , .		8