

# Jason A D Atkin

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

971  
citations

471509

17  
h-index

454955

30  
g-index

42  
all docs

42  
docs citations

42  
times ranked

672  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid Metaheuristics to Aid Runway Scheduling at London Heathrow Airport. Transportation Science, 2007, 41, 90-106.	4.4	136
2	On-line decision support for take-off runway scheduling with uncertain taxi times at London Heathrow Airport. Journal of Scheduling, 2008, 11, 323-346.	1.9	129
3	The trade-off between taxi time and fuel consumption in airport ground movement. Public Transport, 2013, 5, 25-40.	2.7	94
4	Analysis of irregular three-dimensional packing problems in additive manufacturing: a new taxonomy and dataset. International Journal of Production Research, 2019, 57, 5920-5934.	7.5	59
5	A more realistic approach for airport ground movement optimisation with stand holding. Journal of Scheduling, 2014, 17, 507-520.	1.9	52
6	A combined statistical approach and ground movement model for improving taxi time estimations at airports. Journal of the Operational Research Society, 2013, 64, 1347-1360.	3.4	48
7	Aircraft taxi time prediction: Comparisons and insights. Applied Soft Computing Journal, 2014, 14, 397-406.	7.2	47
8	A novel approach to independent taxi scheduling problem based on stable matching. Journal of the Operational Research Society, 2014, 65, 1501-1510.	3.4	37
9	Addressing the Pushback Time Allocation Problem at Heathrow Airport. Transportation Science, 2013, 47, 584-602.	4.4	33
10	A review of electrostatic monitoring technology: The state of the art and future research directions. Progress in Aerospace Sciences, 2017, 94, 1-11.	12.1	25
11	To kit or not to kit: Analysing the value of model-based kitting for additive manufacturing. Computers in Industry, 2018, 98, 100-117.	9.9	25
12	Tabu assisted guided local search approaches for freight service network design. Information Sciences, 2012, 189, 266-281.	6.9	23
13	TSAT allocation at London Heathrow: the relationship between slot compliance, throughput and equity. Public Transport, 2010, 2, 173-198.	2.7	21
14	A comparison of two methods for reducing take-off delay at London Heathrow airport. Journal of Scheduling, 2011, 14, 409-421.	1.9	20
15	A Metaheuristic Approach to Aircraft Departure Scheduling at London Heathrow Airport. Lecture Notes in Economics and Mathematical Systems, 2008, , 235-252.	0.3	19
16	Airport Gate Assignment Considering Ground Movement. Lecture Notes in Computer Science, 2013, , 184-198.	1.3	18
17	An examination of take-off scheduling constraints at London Heathrow airport. Public Transport, 2009, 1, 169-187.	2.7	17
18	Pruning Rules for Optimal Runway Sequencing. Transportation Science, 2018, 52, 898-916.	4.4	16

#	ARTICLE	IF	CITATIONS
19	An experimental analysis of deepest bottom-left-fill packing methods for additive manufacturing. International Journal of Production Research, 2020, 58, 6917-6933.	7.5	15
20	ENIGMA—A Centralised Supervisory Controller for Enhanced Onboard Electrical Energy Management with Model in the Loop Demonstration. Energies, 2021, 14, 5518.	3.1	14
21	A heuristic approach to greener airport ground movement. , 2014, , .		13
22	A simulation scenario based mixed integer programming approach to airline reserve crew scheduling under uncertainty. Annals of Operations Research, 2017, 252, 335-363.	4.1	12
23	Scheduling airline reserve crew using a probabilistic crew absence and recovery model. Journal of the Operational Research Society, 2020, 71, 543-565.	3.4	12
24	An analysis of constructive algorithms for the airport baggage sorting station assignment problem. Journal of Scheduling, 2014, 17, 601-619.	1.9	11
25	Optimal Load and Energy Management of Aircraft Microgrids Using Multi-Objective Model Predictive Control. Sustainability, 2021, 13, 13907.	3.2	10
26	Analysis of Objectives Relationships in Multiobjective Problems Using Trade-Off Region Maps. , 2015, , .		8
27	Droop control design to minimize losses in DC microgrid for more electric aircraft. Electric Power Systems Research, 2021, 199, 107452.	3.6	8
28	An Evolutionary Algorithm for the Over-constrained Airport Baggage Sorting Station Assignment Problem. Lecture Notes in Computer Science, 2012, , 32-41.	1.3	8
29	A Population-Based Incremental Learning Method for Constrained Portfolio Optimisation. , 2014, , .		7
30	A scheme for determining vehicle routes based on Arc-based service network design. Infor, 2017, 55, 16-37.	0.6	7
31	A technique based on trade-off maps to visualise and analyse relationships between objectives in optimisation problems. Journal of Multi-Criteria Decision Analysis, 2017, 24, 37-56.	1.9	6
32	Application of a MILP-based Algorithm for Power Flow Optimisation within More-Electric Aircraft Electrical Power Systems. , 2019, , .		4
33	Human performance and strategies while solving an aircraft routing and sequencing problem: an experimental approach. Cognition, Technology and Work, 2018, 20, 425-441.	3.0	3
34	Optimal Power Flow Based Architecture Design for Electrical Power System in More-Electric Aircraft. , 2019, , .		3
35	Airport Airside Optimisation Problems. Studies in Computational Intelligence, 2013, , 1-37.	0.9	3
36	Vehicle Routing in a Forestry Commissioning Operation Using Ant Colony Optimisation. Lecture Notes in Computer Science, 2014, , 95-106.	1.3	3

#	ARTICLE	IF	CITATIONS
37	Neural Network based Weighting Factor Selection of MPC for Optimal Battery and Load Management in MEA. , 2020, , .		2
38	Lessons from building an automated pre-departure sequencer for airports. Annals of Operations Research, 2017, 252, 435-453.	4.1	1
39	Airport operations management. OR Spectrum, 2019, 41, 613-614.	3.4	1
40	Analysis and Design of Battery Controller for More Electric Aircraft Application. , 2021, , .		1
41	Scheduling Airline Reserve Crew to Minimise Crew Related Delay Using Simulated Airline Recovery and a Probabilistic Optimisation Model. , 2013, , .		0
42	Methodologies for the Synthesis of Reliable MEA Electrical Power System Architectures. , 2020, , .		0