Scott J Mason

List of Publications by Year
in descending order

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72 papers	2,613 citations	249298 26 h-index	223390 49 g-index
73 all docs	73 docs citations	73 times ranked	2304 citing authors

#	Article	IF	Citations
1	A multiâ€vehicle covering tour problem with speed optimization. Networks, 2022, 79, 119-142.	1.6	3
2	A bi-objective optimisation of post-disaster relief distribution and short-term network restoration using hybrid NSGA-II algorithm. International Journal of Production Research, 2022, 60, 5769-5793.	4.9	28
3	Statistical estimation of operating reserve requirements using rolling horizon stochastic optimization. Annals of Operations Research, 2020, 292, 371-397.	2.6	7
4	Stochastic optimization for flow-shop scheduling with on-site renewable energy generation using a case in the United States. Computers and Industrial Engineering, 2020, 149, 106812.	3.4	26
5	Stochastic Optimization for Energy Management in Power Systems With Multiple Microgrids. IEEE Transactions on Smart Grid, 2019, 10, 1068-1079.	6.2	40
6	Resilient Off-Grid Microgrids: Capacity Planning and N-1 Security. IEEE Transactions on Smart Grid, 2018, 9, 6511-6521.	6.2	39
7	Tight Piecewise Convex Relaxations for Global Optimization of Optimal Power Flow. , 2018, , .		22
8	On scheduling a photolithography area containing cluster tools. Computers and Industrial Engineering, 2018, 121, 177-188.	3.4	9
9	A multi-objective optimization model for designing resilient supply chain networks. International Journal of Production Economics, 2018, 204, 174-185.	5.1	53
10	Assessing the Cost Impact of Multiple Transportation Modes to Enhance Sustainability in an Integrated, Two Stage, Automotive Supply Chain. Informatics, 2017, 4, 34.	2.4	2
11	Robust semiconductor production planning under yield uncertainty. , 2016, , .		2
12	Integrated Semiconductor Supply Chain Production Planning. IEEE Transactions on Semiconductor Manufacturing, 2016, 29, 116-126.	1.4	15
13	Goal programming-based post-disaster decision making for integrated relief distribution and early-stage network restoration. International Journal of Production Economics, 2016, 182, 324-341.	5.1	102
14	Multiple-objective analysis of integrated relief supply and network restoration in humanitarian logistics operations. International Journal of Production Research, 2016, 54, 49-68.	4.9	101
15	Supply chain dynamics, control and disruption management. International Journal of Production Research, 2016, 54, 1-7.	4.9	207
16	A multi-period optimization model for the deployment of public electric vehicle charging stations on network. Transportation Research Part C: Emerging Technologies, 2016, 65, 128-143.	3.9	151
17	Integrated cost optimization in a two-stage, automotive supply chain. Computers and Operations Research, 2016, 67, 1-11.	2.4	17
18	A bi-criteria hybrid metaheuristic for analysing an integrated automotive supply chain. Journal of the Operational Research Society, 2016, 67, 516-526.	2.1	3

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19	Multi-mode resource-constrained project scheduling problems with non-preemptive activity splitting. Computers and Operations Research, 2015, 53, 275-287.	2.4	67
20	Supply chain design under quality disruptions and tainted materials delivery. Transportation Research, Part E: Logistics and Transportation Review, 2014, 67, 105-123.	3.7	28
21	Quantity discount with freight consolidation. Transportation Research, Part E: Logistics and Transportation Review, 2014, 66, 66-82.	3.7	14
22	Supply network design: Risk-averse or risk-neutral?. Computers and Industrial Engineering, 2014, 78, 55-65.	3.4	33
23	Scheduling parallel machines with single vehicle delivery. Journal of Heuristics, 2014, 20, 511-537.	1.1	17
24	Vulnerability assessment and re-routing of freight trains under disruptions: A coal supply chain network application. Transportation Research, Part E: Logistics and Transportation Review, 2014, 71, 45-57.	3.7	63
25	State of the Practice and Future Needs for Production Planning and Control Systems. Operations Research/ Computer Science Interfaces Series, 2013, , 247-266.	0.3	0
26	Deterministic Scheduling Approaches. Operations Research/ Computer Science Interfaces Series, 2013, , 105-175.	0.3	0
27	Semiconductor Manufacturing Process Description. Operations Research/ Computer Science Interfaces Series, 2013, , 11-28.	0.3	6
28	Batch scheduling on parallel machines with dynamic job arrivals and incompatible job families. International Journal of Production Research, 2013, 51, 2462-2477.	4.9	28
29	Dispatching Approaches. Operations Research/ Computer Science Interfaces Series, 2013, , 65-104.	0.3	1
30	Production Planning Approaches. Operations Research/ Computer Science Interfaces Series, 2013, , 207-246.	0.3	3
31	SELECTING AND ALLOCATING REPACKAGING TECHNOLOGY FOR UNIT-DOSE MEDICATIONS IN HOSPITAL PHARMACIES. International Journal of Innovation and Technology Management, 2013, 10, 1340011.	0.8	2
32	How Much Time Do Home Health Nurses Spend on Nonclinical Supply Chain Duties?. Home Health Care Management and Practice, 2013, 25, 160-168.	0.4	0
33	An Analysis of Special Needs Student Busing. Journal of Public Transportation, 2013, 16, 21-45.	0.3	12
34	Modeling and Analysis Tools. Operations Research/ Computer Science Interfaces Series, 2013, , 29-64.	0.3	1
35	Order Release Approaches. Operations Research/ Computer Science Interfaces Series, 2013, , 177-205.	0.3	0
36	Multi-objective analysis of an integrated supply chain scheduling problem. International Journal of Production Research, 2012, 50, 2624-2638.	4.9	50

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37	Characterizing the Home Health Care Supply Chain. Home Health Care Management and Practice, 2012, 24, 267-275.	0.4	3
38	Multiple orders per job formation and release strategies in large-scale wafer fabs: a simulation study. Journal of Simulation, 2011, 5, 25-43.	1.0	6
39	A survey of problems, solution techniques, and future challenges in scheduling semiconductor manufacturing operations. Journal of Scheduling, 2011, 14, 583-599.	1.3	312
40	Integrated heuristics for scheduling multiple order jobs in a complex job shop. International Journal of Metaheuristics, 2010, 1, 156.	0.1	15
41	Minimising earliness and tardiness on parallel machines with sequence-dependent setups. International Journal of Operational Research, 2010, 8, 42.	0.1	3
42	A column generation heuristic for complex job shop multiple orders per job scheduling. Computers and Industrial Engineering, 2010, 58, 108-118.	3.4	17
43	Evaluation of mixed integer programming formulations for non-preemptive parallel machine scheduling problems. Computers and Industrial Engineering, 2010, 58, 785-800.	3.4	97
44	Scheduling multiple orders per job in a single machine to minimize total completion time. European Journal of Operational Research, 2010, 207, 70-77.	3.5	23
45	Survey of Hospital Pharmacy Directors: Assessment of the Current State of Unit-Dose Acquisition. Journal of Pharmacy Technology, 2010, 26, 3-8.	0.5	6
46	Third-party repackaging in hospital pharmacy unit dose acquisition. American Journal of Health-System Pharmacy, 2010, 67, 1108-1114.	0.5	5
47	A moving block heuristic to minimise earliness and tardiness costs on parallel machines. International Journal of Production Research, 2009, 47, 5377-5390.	4.9	10
48	Optimizing demand fulfillment from test bins. , 2009, , .		0
49	Semiconductor manufacturing scheduling of jobs containing multiple orders on identical parallel machines. International Journal of Production Research, 2009, 47, 2565-2585.	4.9	38
50	A multi-criteria approach for scheduling semiconductor wafer fabrication facilities. Journal of Scheduling, 2008, 11, 29-47.	1.3	50
51	Column generation heuristics for multiple machine, multiple orders per job scheduling problems. Annals of Operations Research, 2008, 159, 261-273.	2.6	14
52	Multiple orders per job batch scheduling withÂincompatible jobs. Annals of Operations Research, 2008, 159, 245-260.	2.6	17
53	Determining an appropriate number of FOUPs in semiconductor wafer fabrication facilities. , 2008, , .		3
54	Minimizing total weighted tardiness on a batch-processing machine with incompatible job families and job ready times. International Journal of Production Research, 2008, 46, 131-151.	4.9	24

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55	Parallel machine scheduling subject to auxiliary resource constraints. Production Planning and Control, 2007, 18, 217-225.	5.8	50
56	Multi-Objective Semiconductor Manufacturing Scheduling: A Random Keys Implementation of NSGA-II. , 2007, , .		9
57	Impact of permutation enforcement when minimizing total weighted tardiness in dynamic flowshops with uncertain processing times. Computers and Operations Research, 2007, 34, 3055-3068.	2.4	22
58	Multiple Orders Per Job Compatible Batch Scheduling. IEEE Transactions on Electronics Packaging Manufacturing, 2006, 29, 285-296.	1.6	33
59	Using real options analysis to value reoptimization options in the shifting bottleneck heuristic. Naval Research Logistics, 2006, 53, 285-297.	1.4	11
60	Operational planning and control of semiconductor wafer production. Production Planning and Control, 2006, 17, 639-647.	5.8	70
61	Cellar Tank Piping Network Analysis at E. & J. Gallo Winery. Journal of Wine Research, 2006, 17, 145-160.	0.9	8
62	Semiconductor Manufacturing Scheduling and Dispatching. , 2006, , 213-241.		40
63	A moving block heuristic for minimizing earliness and tardiness on a single machine with unrestrictive common due dates. Journal of Manufacturing Systems, 2005, 24, 328-338.	7.6	8
64	Quantifying the Effect of Transportation Practices in Military Supply Chains. Journal of Defense Modeling and Simulation, 2005, 2, 87-100.	1.2	7
65	Heuristics for minimizing total weighted tardiness in complex job shops. International Journal of Production Research, 2005, 43, 1943-1963.	4.9	46
66	Metaheuristic Scheduling of 300-mm Lots Containing Multiple Orders. IEEE Transactions on Semiconductor Manufacturing, 2005, 18, 633-643.	1.4	37
67	Rescheduling strategies for minimizing total weighted tardiness in complex job shops. International Journal of Production Research, 2004, 42, 613-628.	4.9	64
68	A Scheduling Heuristic for Maximizing Wirebonder Throughput. IEEE Transactions on Electronics Packaging Manufacturing, 2004, 27, 145-150.	1.6	16
69	Integrating the warehousing and transportation functions of the supply chain. Transportation Research, Part E: Logistics and Transportation Review, 2003, 39, 141-159.	3.7	141
70	Scheduling complex job shops using disjunctive graphs: A cycle elimination procedure. International Journal of Production Research, 2003, 41, 981-994.	4.9	18
71	Workload control in the semiconductor industry. Production Planning and Control, 2002, 13, 568-578.	5.8	80
72	A modified shifting bottleneck heuristic for minimizing total weighted tardiness in complex job shops. Journal of Scheduling, 2002, 5, 247-262.	1.3	158