M Selim AktÃ¼rk

List of Publications by Year
in descending order

73 papers	1,869 citations	218592 26 h-index	315616 38 g-index
73 all docs	73 docs citations	73 times ranked	1064 citing authors

#	Article	IF	Citations
1	Resilient airline scheduling to minimize delay risks. Transportation Research Part C: Emerging Technologies, 2022, 141, 103734.	3.9	4
2	Aircraft and passenger recovery during an aircraft's unexpected unavailability. Journal of Air Transport Management, 2021, 91, 101991.	2.4	2
3	Accommodating new flights into an existing airline flight schedule. Transportation Research Part C: Emerging Technologies, 2019, 104, 265-286.	3.9	12
4	The Value of Multi-Stage Stochastic Programming in Risk-Averse Unit Commitment Under Uncertainty. IEEE Transactions on Power Systems, 2019, 34, 3667-3676.	4.6	18
5	Stochastic lot sizing problem with nervousness considerations. Computers and Operations Research, 2018, 94, 23-37.	2.4	10
6	Bounds on risk-averse mixed-integer multi-stage stochastic programming problems with mean-CVaR. European Journal of Operational Research, 2018, 266, 595-608.	3.5	15
7	Multi-stage airline scheduling problem with stochastic passenger demand and non-cruise times. Transportation Research Part B: Methodological, 2018, 114, 39-67.	2.8	21
8	Flight Network-Based Approach for Integrated Airline Recovery with Cruise Speed Control. Transportation Science, 2017, 51, 1259-1287.	2.6	39
9	Integrated aircraft-path assignment and robust schedule design with cruise speed control. Computers and Operations Research, 2017, 84, 127-145.	2.4	20
10	Pure cycles in two-machine dual-gripper robotic cells. Robotics and Computer-Integrated Manufacturing, 2017, 48, 121-131.	6.1	13
11	Integrated aircraft and passenger recovery with cruise time controllability. Annals of Operations Research, 2016, 236, 295-317.	2.6	35
12	An integrated approach for airline scheduling, aircraft fleeting and routing with cruise speed control. Transportation Research Part C: Emerging Technologies, 2016, 68, 38-57.	3.9	45
13	Automated robotic assembly line design with unavailability periods and tool changes. European Journal of Industrial Engineering, 2016, 10, 499.	0.5	5
14	Stochastic lot sizing problem with controllable processing times. Omega, 2015, 53, 1-10.	3.6	24
15	Robust Airline Scheduling with Controllable Cruise Times and Chance Constraints. IIE Transactions, 2015, 47, 64-83.	2.1	21
16	Lot Sizing with Piecewise Concave Production Costs. INFORMS Journal on Computing, 2014, 26, 767-779.	1.0	18
17	Aircraft Rescheduling with Cruise Speed Control. Operations Research, 2014, 62, 829-845.	1.2	70
18	Two-machine flowshop scheduling with flexible operations and controllable processing times. Computers and Operations Research, 2013, 40, 639-653.	2.4	21

#	Article	IF	Citations
19	An analysis of cyclic scheduling problems in robot centered cells. Computers and Operations Research, 2012, 39, 1290-1299.	2.4	17
20	Multiple part-type scheduling in flexible robotic cells. International Journal of Production Economics, 2012, 135, 726-740.	5.1	34
21	Joint cell loading and scheduling approach to cellular manufacturing systems. International Journal of Production Research, 2011, 49, 6321-6341.	4.9	11
22	Bicriteria robotic cell scheduling with controllable processing times. International Journal of Production Research, 2011, 49, 569-583.	4.9	25
23	Single CNC machine scheduling with controllable processing times to minimize total weighted tardiness. Computers and Operations Research, 2011, 38, 771-781.	2.4	20
24	A multi-stage stochastic programming approach in master production scheduling. European Journal of Operational Research, 2011, 213, 166-179.	3.5	30
25	Parallel machine match-up scheduling with manufacturing cost considerations. Journal of Scheduling, 2010, 13, 95-110.	1.3	26
26	Bicriteria robotic operation allocation in a flexible manufacturing cell. Computers and Operations Research, 2010, 37, 779-789.	2.4	22
27	An anticipative scheduling approach with controllable processing times. Computers and Operations Research, 2010, 37, 1002-1013.	2.4	35
28	Pure cycles in flexible robotic cells. Computers and Operations Research, 2009, 36, 329-343.	2.4	23
29	A strong conic quadratic reformulation for machine-job assignment with controllable processing times. Operations Research Letters, 2009, 37, 187-191.	0.5	77
30	Predictive/reactive scheduling with controllable processing times and earliness-tardiness penalties. IIE Transactions, 2009, 41, 1080-1095.	2.1	20
31	Bicriteria robotic cell scheduling. Journal of Scheduling, 2008, 11, 457-473.	1.3	15
32	Single CNC machine scheduling with controllable processing times and multiple due dates. International Journal of Production Research, 2008, 46, 6087-6111.	4.9	14
33	Scheduling preventive maintenance on a single CNC machine. International Journal of Production Research, 2008, 46, 6797-6821.	4.9	16
34	Scheduling in robotic cells: process flexibility and cell layout. International Journal of Production Research, 2008, 46, 2105-2121.	4.9	31
35	Due date and cost-based FMS loading, scheduling and tool management. International Journal of Production Research, 2007, 45, 1183-1213.	4.9	25
36	Machining conditions-based preventive maintenance. International Journal of Production Research, 2007, 45, 1725-1743.	4.9	21

#	Article	IF	Citations
37	Scheduling with tool changes to minimize total completion time under controllable machining conditions. Computers and Operations Research, 2007, 34, 2130-2146.	2.4	28
38	Scheduling in a three-machine robotic flexible manufacturing cell. Computers and Operations Research, 2007, 34, 2463-2477.	2.4	35
39	Scheduling parallel CNC machines with time/cost trade-off considerations. Computers and Operations Research, 2007, 34, 2774-2789.	2.4	16
40	Considering manufacturing cost and scheduling performance on a CNC turning machine. European Journal of Operational Research, 2007, 177, 325-343.	3.5	23
41	Optimal allocation and processing time decisions on non-identical parallel CNC machines: İµ-constraint approach. European Journal of Operational Research, 2007, 183, 591-607.	3.5	9
42	SCHEDULING IN A THREE-MACHINE FLEXIBLE ROBOTIC CELL. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 101-106.	0.4	2
43	Cyclic scheduling of a 2-machine robotic cell with tooling constraints. European Journal of Operational Research, 2006, 174, 777-796.	3.5	26
44	Robotic cell scheduling with operational flexibility. Discrete Applied Mathematics, 2005, 145, 334-348.	0.5	38
45	A new bounding mechanism for the CNC machine scheduling problems with controllable processing times. European Journal of Operational Research, 2005, 167, 624-643.	3.5	52
46	Management of product variety in cellular manufacturing systems. Flexible Services and Manufacturing Journal, 2005, 17, 93-117.	0.4	14
47	Scheduling with tool changes to minimize total completion time: Basic results and SPT performance. European Journal of Operational Research, 2004, 157, 784-790.	3.5	38
48	A problem space genetic algorithm in multiobjective optimization. Journal of Intelligent Manufacturing, 2003, 14, 363-378.	4.4	11
49	Scheduling with tool changes to minimize total completion time: A study of heuristics and their performance. Naval Research Logistics, 2003, 50, 15-30.	1.4	41
50	A problem space algorithm for single machine weighted tardiness problems. IIE Transactions, 2003, 35, 479-486.	2.1	28
51	Non-identical parallel CNC machine scheduling. International Journal of Production Research, 2003, 41, 2143-2168.	4.9	14
52	Interaction of design and operational parameters in periodic review kanban systems. International Journal of Production Research, 2003, 41, 3315-3338.	4.9	11
53	Dynamic lot sizing and tool management in automated manufacturing systems. Computers and Operations Research, 2002, 29, 1059-1079.	2.4	10
54	A new dominance rule to minimize total weighted tardiness with unequal release dates. European Journal of Operational Research, 2001, 135, 394-412.	3.5	41

#	Article	IF	Citations
55	Integrated scheduling and tool management in flexible manufacturing systems. International Journal of Production Research, 2001, 39, 2697-2722.	4.9	31
56	An exact approach to minimizing total weighted tardiness with release dates. IIE Transactions, 2000, 32, 1091-1101.	2.1	37
57	An exact approach to minimizing total weighted tardiness with release dates. IIE Transactions, 2000, 32, 1091-1101.	2.1	14
58	Cellular manufacturing system design using a holonistic approach. International Journal of Production Research, 2000, 38, 2327-2347.	4.9	66
59	Match-up scheduling under a machine breakdown. European Journal of Operational Research, 1999, 112, 81-97.	3.5	112
60	Joint lot sizing and tool management in a CNC environment. Computers in Industry, 1999, 40, 61-75.	5.7	11
61	Generating short-term observation schedules for space mission projects. Journal of Intelligent Manufacturing, 1999, 10, 387-404.	4.4	4
62	An exact tool allocation approach for CNC machines. International Journal of Computer Integrated Manufacturing, 1999, 12, 129-140.	2.9	1
63	A new dominance rule for the total weighted tardiness problem. Production Planning and Control, 1999, 10, 138-149.	5.8	12
64	An overview of design and operational issues of kanban systems. International Journal of Production Research, 1999, 37, 3859-3881.	4.9	67
65	A new lower bounding scheme for the total weighted tardiness problem. Computers and Operations Research, 1998, 25, 265-278.	2.4	25
66	A hierarchical model for the cell loading problem of cellular manufacturing systems. International Journal of Production Research, 1998, 36, 2005-2023.	4.9	15
67	Tool magazine arrangement and operations sequencing on CNC machines. Computers and Operations Research, 1996, 23, 1069-1081.	2.4	34
68	An integrated process planning approach for CNC machine tools. International Journal of Advanced Manufacturing Technology, 1996, 12, 221-229.	1.5	6
69	Tool allocation and machining conditions optimization for CNC machines. European Journal of Operational Research, 1996, 94, 335-348.	3.5	30
70	A note on the within-cell layout problem based on operation sequences. Production Planning and Control, 1996, 7, 99-103.	5.8	9
71	Scheduling of Automated Guided Vehicles in a Decision Making Hierarchy. International Journal of Production Research, 1996, 34, 577-591.	4.9	46
72	Part-machine grouping using a multi-objective cluster analysis. International Journal of Production Research, 1996, 34, 2299-2315.	4.9	57

#	Article	IF	Citations
73	An exact solution approach for risk-averse mixed-integer multi-stage stochastic programming problems. Annals of Operations Research, 0, , 1.	2.6	0