Tadeusz Sawik

List of Publications by Year
in descending order

87 papers	3,175 citations	168829 31 h-index	182931 54 g-index
101 all docs	101 docs citations	101 times ranked	2287 citing authors

#	Article	IF	Citations
1	A linear model for optimal cybersecurity investment in Industry 4.0 supply chains. International Journal of Production Research, 2022, 60, 1368-1385.	4.9	30
2	A rough cut cybersecurity investment using portfolio of security controls with maximum cybersecurity value. International Journal of Production Research, 2022, 60, 6556-6572.	4.9	15
3	Stochastic optimization of supply chain resilience under ripple effect: A COVID-19 pandemic related study. Omega, 2022, 109, 102596.	3.6	79
4	On the risk-averse selection of resilient multi-tier supply portfolio. Omega, 2021, 101, 102267.	3.6	36
5	A two-period model for selection of resilient multi-tier supply portfolio. International Journal of Production Research, 2020, 58, 6043-6060.	4.9	25
6	Supply Chain Disruption Management. Profiles in Operations Research, 2020, , .	0.3	35
7	Selection of Static Supply Portfolio. Profiles in Operations Research, 2020, , 19-45.	0.3	0
8	Integrated Selection of Supply Portfolio and Scheduling of Production. Profiles in Operations Research, 2020, , 111-154.	0.3	0
9	Selection of Resilient Multi-Tier Supply Portfolio. Profiles in Operations Research, 2020, , 367-400.	0.3	1
10	Selection of Supply and Demand Portfolios and Production and Inventory Scheduling. Profiles in Operations Research, 2020, , 341-364.	0.3	0
11	Selection of Primary and Recovery Supply and Demand Portfolios and Scheduling: A Two-Period Approach. Profiles in Operations Research, 2020, , 321-339.	0.3	0
12	Selection of Resilient Supply Portfolio. Profiles in Operations Research, 2020, , 77-108.	0.3	0
13	Selection of Dynamic Supply Portfolio. Profiles in Operations Research, 2020, , 47-75.	0.3	0
14	Selection of Primary and Recovery Supply and Demand Portfolios and Scheduling. Profiles in Operations Research, 2020, , 277-320.	0.3	0
15	Integrated Selection of Supply Portfolio and Scheduling of Production and Distribution. Profiles in Operations Research, 2020, , 155-190.	0.3	0
16	Selection of Resilient Multi-Tier Supply Portfolio: A Two-Period Approach. Profiles in Operations Research, 2020, , 401-423.	0.3	0
17	Selection of Primary and Recovery Supply Portfolios and Scheduling. Profiles in Operations Research, 2020, , 243-276.	0.3	0
18	Two-period vs. multi-period model for supply chain disruption management. International Journal of Production Research, 2019, 57, 4502-4518.	4.9	53

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19	Disruption mitigation and recovery in supply chains using portfolio approach. Omega, 2019, 84, 232-248.	3.6	78
20	A Multi-portfolio Approach to Integrated Risk-Averse Planning in Supply Chains Under Disruption Risks. Profiles in Operations Research, 2019, , 35-63.	0.3	4
21	Selection of a dynamic supply portfolio under delay and disruption risks. International Journal of Production Research, 2018, 56, 760-782.	4.9	25
22	Supply Chain Disruption Management Using Stochastic Mixed Integer Programming. Profiles in Operations Research, 2018, , .	0.3	10
23	Integrated Selection of Supply Portfolio and Scheduling of Production. Profiles in Operations Research, 2018, , 103-147.	0.3	0
24	Selection of Primary and Recovery Supply Portfolios and Scheduling. Profiles in Operations Research, 2018, , 239-270.	0.3	0
25	A Robust Decision-Making Under Disruption Risks. Profiles in Operations Research, 2018, , 211-236.	0.3	0
26	A Fair Decision-Making Under Disruption Risks. Profiles in Operations Research, 2018, , 189-210.	0.3	0
27	Selection of Cybersecurity Safequards Portfolio. Profiles in Operations Research, 2018, , 315-335.	0.3	0
28	Selection of Primary and Recovery Supply and Demand Portfolios and Scheduling. Profiles in Operations Research, 2018, , 271-311.	0.3	0
29	A portfolio approach to supply chain disruption management. International Journal of Production Research, 2017, 55, 1970-1991.	4.9	101
30	Stochastic versus Deterministic Approach to Coordinated Supply Chain Scheduling. Mathematical Problems in Engineering, 2017, 2017, 1-15.	0.6	8
31	Mixed Integer Programming Approaches to Planning and Scheduling in Electronics Supply Chains. Decision Making in Manufacturing and Services, 2017, 11, 5.	0.2	4
32	A note on the Miller-Tucker-Zemlin model for the asymmetric traveling salesman problem. Bulletin of the Polish Academy of Sciences: Technical Sciences, 2016, 64, 517-520.	0.8	53
33	On the risk-averse optimization of service level in a supply chain under disruption risks. International Journal of Production Research, 2016, 54, 98-113.	4.9	94
34	Integrated supply, production and distribution scheduling under disruption risks. Omega, 2016, 62, 131-144.	3.6	72
35	On the fair optimization of cost and customer service level in a supply chain under disruption risks. Omega, 2015, 53, 58-66.	3.6	62
36	Integrated Supply Chain Scheduling under Multi-Level Disruptions. IFAC-PapersOnLine, 2015, 48, 1515-1520.	0.5	21

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37	A mixed integer program for cyclic scheduling of flexible flow lines. Bulletin of the Polish Academy of Sciences: Technical Sciences, 2014, 62, 121-128.	0.8	6
38	Joint supplier selection and scheduling of customer orders under disruption risks: Single vs. dual sourcing. Omega, 2014, 43, 83-95.	3.6	136
39	Optimization of cost and service level in the presence of supply chain disruption risks: Single vs. multiple sourcing. Computers and Operations Research, 2014, 51, 11-20.	2.4	78
40	On the robust decision-making in a supply chain under disruption risks. International Journal of Production Research, 2014, 52, 6760-6781.	4.9	35
41	Integrated selection of suppliers and scheduling of customer orders in the presence of supply chain disruption risks. International Journal of Production Research, 2013, 51, 7006-7022.	4.9	118
42	Selection of optimal countermeasure portfolio in IT security planning. Decision Support Systems, 2013, 55, 156-164.	3.5	75
43	Selection of resilient supply portfolio under disruption risks. Omega, 2013, 41, 259-269.	3.6	255
44	Selection and protection of suppliers in a supply chain with disruption risks. International Journal of Logistics Systems and Management, 2013, 15, 143.	0.2	30
45	Batch versus cyclic scheduling of flexible flow shops by mixed-integer programming. International Journal of Production Research, 2012, 50, 5017-5034.	4.9	34
46	Selection of supply portfolio under disruption risks. Omega, 2011, 39, 194-208.	3.6	192
47	Selection of a dynamic supply portfolio in make-to-order environment withrisks. Computers and Operations Research, 2011, 38, 782-796.	2.4	52
48	Supplier selection in make-to-order environment with risks. Mathematical and Computer Modelling, 2011, 53, 1670-1679.	2.0	50
49	An integer programming approach to scheduling in a contaminated area. Omega, 2010, 38, 179-191.	3.6	14
50	Single vs. multiple objective supplier selection in a make to order environment. Omega, 2010, 38, 203-212.	3.6	92
51	Multi-objective due-date setting in a make-to-order environment. International Journal of Production Research, 2009, 47, 6205-6231.	4.9	282
52	Coordinated supply chain scheduling. International Journal of Production Economics, 2009, 120, 437-451.	5.1	78
53	Monolithic versus hierarchical approach to integrated scheduling in a supply chain. International Journal of Production Research, 2009, 47, 5881-5910.	4.9	23
54	Multi-objective master production scheduling in make-to-order manufacturing. International Journal of Production Research, 2007, 45, 2629-2653.	4.9	18

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55	Integer programming approach to reactive scheduling in make-to-order manufacturing. Mathematical and Computer Modelling, 2007, 46, 1373-1387.	2.0	15
56	A multi-objective customer orders assignment and resource leveling in make-to-order manufacturing. International Transactions in Operational Research, 2007, 14, 491-508.	1.8	6
57	A lexicographic approach to bi-objective scheduling of single-period orders in make-to-order manufacturing. European Journal of Operational Research, 2007, 180, 1060-1075.	3.5	30
58	Hierarchical approach to production scheduling in make-to-order assembly. International Journal of Production Research, 2006, 44, 801-830.	4.9	32
59	Integer programming approach to production scheduling for make-to-order manufacturing. Mathematical and Computer Modelling, 2005, 41, 99-118.	2.0	35
60	A cyclic versus flexible approach to materials ordering in make-to-order assembly. Mathematical and Computer Modelling, 2005, 42, 279-290.	2.0	11
61	Loading and scheduling of a flexible assembly system by mixed integer programming. European Journal of Operational Research, 2004, 154, 1-19.	3.5	37
62	Optimal versus heuristic scheduling of surface mount technology lines. International Journal of Production Research, 2004, 42, 2083-2110.	4.9	16
63	SCHEDULING OF PRINTED WIRING BOARD ASSEMBLY IN SURFACE MOUNT TECHNOLOGY LINES. Journal of Electronics Manufacturing, 2002, 11, 1-17.	0.4	7
64	Balancing and scheduling of surface mount technology lines. International Journal of Production Research, 2002, 40, 1973-1991.	4.9	27
65	An exact approach for batch scheduling in flexible flow lines with limited intermediate buffers. Mathematical and Computer Modelling, 2002, 36, 461-471.	2.0	53
66	Monolithic vs. hierarchical balancing and scheduling of a flexible assembly line. European Journal of Operational Research, 2002, 143, 115-124.	3.5	64
67	Mixed integer programming for scheduling surface mount technology lines. International Journal of Production Research, 2001, 39, 3219-3235.	4.9	25
68	An LP-based approach for loading and routing in a flexible assembly line. International Journal of Production Economics, 2000, 64, 49-58.	5.1	11
69	Mixed integer programming for scheduling flexible flow lines with limited intermediate buffers. Mathematical and Computer Modelling, 2000, 31, 39-52.	2.0	75
70	Simultaneous versus sequential loading and scheduling of flexible assembly systems. International Journal of Production Research, 2000, 38, 3267-3282.	4.9	19
71	Production Planning and Scheduling in Flexible Assembly Systems. , 1999, , .		27
72	A lexicographic approach to bi-objective loading of a flexible assembly system. European Journal of Operational Research, 1998, 107, 656-668.	3.5	20

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73	Simultaneous loading, routing, and assembly plan selection in a flexible assembly system. Mathematical and Computer Modelling, 1998, 28, 19-29.	2.0	5
74	An interactive approach to bicriterion loading of a flexible assembly system. Mathematical and Computer Modelling, 1997, 25, 71-83.	2.0	5
75	A multilevel machine and vehicle scheduling in a flexible manufacturing system. Mathematical and Computer Modelling, 1996, 23, 45-57.	2.0	21
76	Integer programming models for the design and balancing of flexible assembly systems. Mathematical and Computer Modelling, 1995, 21, 1-12.	2.0	21
77	Scheduling flexible flow lines with no in-process buffers. International Journal of Production Research, 1995, 33, 1357-1367.	4.9	34
78	Algorithms for simultaneous scheduling of machines and vehicles in a FMS. , 1994, , 616-621.		1
79	A scheduling algorithm for flexible flow lines with limited intermediate buffers. Applied Stochastic Models and Data Analysis, 1993, 9, 127-138.	0.6	50
80	Modelling and scheduling of a flexible manufacturing system. European Journal of Operational Research, 1990, 45, 177-190.	3.5	59
81	Modelling and scheduling a batch-type production on identical machines. European Journal of Operational Research, 1988, 35, 393-400.	3.5	7
82	Scheduling flow-shops with parallel machines and finite in-process buffers by multilevel programming. , 1988, , 691-700.		7
83	Multilevel Scheduling of Multistage Production with Limited In-Process Inventory. Journal of the Operational Research Society, 1987, 38, 651.	2.1	5
84	Scheduling lots of dependent unit-time operations on identical machines to minimize schedule length. European Journal of Operational Research, 1985, 19, 331-336.	3.5	2
85	Scheduling multi-operational tasks on nonidentical machines as a time-optimal control problem. European Journal of Operational Research, 1982, 10, 173-181.	3.5	4
86	A two-level heuristic for machine loading and assembly routing in a flexible assembly system. , 0, , .		0
87	Flexible assembly line balancing with alternate assembly plans and duplicate task assignments. , 0, , .		4